2006.MAR

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LG Security System

- Dome Camera
- C/CS Mount Camera
- Zoom Color Complete Camera
- Zoom Color Module Camera
- Lens
- Recorder
- Monitor

Life's Good

LG SECURITY SYSTEM

LG Security System will take care of you with the most advanced technology to protect your home and business.

http://www.lge.com

Day and Night
Motion Detection
WDR
DSS
Privacy Zone
520TV Lines
IP66

LIFE'S GOOD, LIFE'S SAFE

LG Security System will take care of you with the most advanced technology to protect your home and business.

Dome Camera

PTZ Dome Camera

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LPT-EI551PS(NTSC) I LPT-EI553PS(PAL) 07
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Dome Camera

PTZ Dome Camera

x27 Speed Dome Camera LPT-EP551PS (NTSC) I LPT-EP553PS (PAL) **06**
LPT-EI551PS(NTSC) I LPT-EI553PS(PAL) **07**
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x27 Speed Dome Camera

LPT-EP551PS (NTSC)
LPT-EP553PS (PAL)

Feature

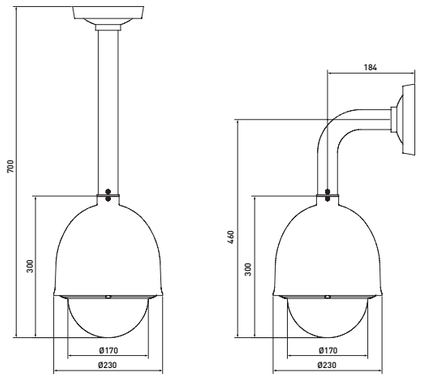
- Built in X27 Optical Zoom Lens
- 1/4" 410K/470K pixels Ex View CCD
- Day and Night function (IR Cut Filter)
- Digital Slow Shutter
- Wide Dynamic Range (Dual Shutter)
- Minimum illumination of 0.005 Lux
- Privacy Zone Masking (8 zones)
- Motion Detection
- 128 Preset Positions
- Auto Panning (8 points)
- 10 Min Pattern Recording & Play for 4 Group
- 8 Alarm Inputs / 4 Alarm Outputs
- 0º~360º, Max 240º/Sec
- 0º~180º, Max 240º/Sec
- RS485 Communication
- IP 66 (Protect against dust and strong jets of water)
- Dome Cover : Vandal -Proof

Specifications

Model		LPT-EP551PS	LPT-EP553PS
Signal System		NTSC	PAL
Total Pixels No.		811(H) X 508(V)	795(H) X 596(V)
Image Device		1/4" Ex View CCD	
Lens		X27 Zoom (F 1.5 (W), F 3.8(T) f =3.25 ~88.0 mm)	
Syncronization System		Internal	
Scanning Frequency(H)		15.734 KHz	15.625 KHz
Scanning Frequency(V)		59.94 Hz	50 Hz
Horizontal Resolution		520 TV Lines	
S/N Ratio		More Than 50dB (AGC Off)	
Minimum Illumination		Color Mode : 1 Lux B/W Mode : 0 Lux (IR on) / 0.005 Lux (IR off)	
Video Output Signal		1Vp-p Composite (75Ω)	
Control Method		RS 485	
Dome ID		256	
Alarm Input		8 Inputs	
Alarm Output		4 Outputs	
Camera Function	Privacy Zone Masking	8 Zones	
	Wide Dynamic Range	Off / On / Auto	
	Electronic Sensitivity	Auto / Fix : x2, x3, x4,..., x20	
	Electronic Shutter	1/60 to 1/50,000	1/50 to 1/50,000
	Focus Mode	Auto / Manual (Automatic Change)	
	Iris Control	Auto / Manual	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
Pan/Tilt Function	Panning Range & Speed	0 º~360 º, Max 240 º/Sec	
	Tilting Range & Speed	0 º~180 º, Max 240 º/Sec	
	Auto Panning	8 points	
	Preset	128 Positions	
	Group Touring	9 groups (8 presets / group)	
	Pattern Recording & Play	approx. 10 minutes / Up to 4 groups	
Power Source		AC 24V	
Power Consumption		19W	
Operation Temp. / Humidity		-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity		-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Dimension(ø x H)		ø230 x 300mm(H)	
Weight		3.8kg	

LPT-EP500 series : Pendant Mount Type + Mount Type

Dimension (unit : mm)



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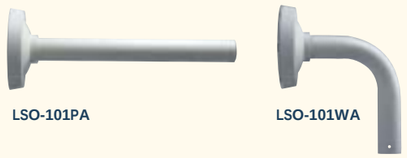


LSO-101PA

LSO-101WA

x27 Speed Dome Camera (Insert type)

LPT-EI551PS(NTSC)
LPT-EI553PS(PAL)

Feature

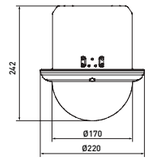
- Built in X27 Optical Zoom Lens
- 1/4" 410K/470K pixels Ex View CCD
- Day and Night function (IR Cut Filter)
- Digital Slow Shutter
- Wide Dynamic Range (Dual Shutter)
- Minimum illumination of 0.005 Lux
- Privacy Zone Masking (8 zones)
- Motion Detection
- 128 Preset Positions
- Auto Panning (8 points)
- 10 Min Pattern Recording & Play for 4 Group
- 8 Alarm Inputs / 4 Alarm Outputs
- 0º~360º, Max 240º/Sec
- 0º~180º, Max 240º/Sec
- RS485 Communication
- IP 66 (Protect against dust and strong jets of water)
- Dome Cover : Vandal -Proof

Specifications

Model		LPT-EI551PS	LPT-EI553PS
Signal System		NTSC	PAL
Total Pixels No.		811(H) X 508(V)	795(H) X 596(V)
Image Device		1/4" Ex View CCD	
Lens		X27 Zoom (F 1.5 (W), F 3.8(T) f =3.25 ~88.0 mm)	
Syncronization System		Internal	
Scanning Frequency(H)		15.734 KHz	15.625 KHz
Scanning Frequency(V)		59.94 Hz	50 Hz
Horizontal Resolution		520 TV Lines	
S/N Ratio		More Than 50dB (AGC Off)	
Minimum Illumination		Color Mode : 1 Lux B/W Mode : 0 Lux (IR on) / 0.005 Lux (IR off)	
Video Output Signal		1Vp-p Composite (75Ω)	
Control Method		RS 485	
Dome ID		256	
Alarm Input		8 Inputs	
Alarm Output		4 Outputs	
Camera Function	Privacy Zone Masking	8 Zones	
	Wide Dynamic Range	Off / On / Auto	
	Electronic Sensitivity	Auto / Fix : x2, x3, x4,..., x20	
	Electronic Shutter	1/60 to 1/50,000	1/50 to 1/50,000
	Focus Mode	Auto / Manual (Automatic Change)	
	Iris Control	Auto / Manual	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
Pan/Tilt Function	Panning Range & Speed	0 º~360 º, Max 240 º/Sec	
	Tilting Range & Speed	0 º~180 º, Max 240 º/Sec	
	Auto Panning	8 points	
	Preset	128 Positions	
	Group Touring	9 groups (8 presets / group)	
	Pattern Recording & Play	approx. 10 minutes / Up to 4 groups	
Power Source		AC 24V	
Power Consumption		19W	
Operation Temp. / Humidity		-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity		-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Dimension(ø x H)		ø230 x 300mm(H)	
Weight		2.6kg	

LPT-EP500 series : Pendant Mount Type + Mount Type

Dimension (unit : mm)



x27 Smart Dome Camera (Indoor)

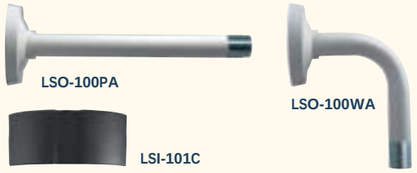
LPT-OI551HQ (NTSC)
LPT-OI553HQ (PAL)

Feature

- Built in X27 Optical Zoom Lens
- 1/4" 410K/470K pixels EX View CCD
- Day and Night function (I/R Cut Filter)
- Digital Slow Shutter
- Wide Dynamic Range (Dual Shutter)
- Minimum illumination of 0.005 Lux
- Privcay Zone Masking (8 zones)
- 128 Preset Positions
- 5 Min Pattern Recording & Play
- 4 Alarm Inputs
- 0º~350º, Max 120º/Sec
- 0º~180º, Max 120º/Sec
- RS485 Communication
- IP 66 (Protect against dust and strong jets of water)
- Color : Dark Gray / Ivory
- Dome Cover : Vandal -Proof

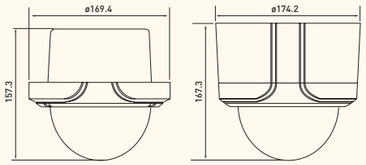
DSS | Privacy Zone | 520TV Lines | IP66

Bracket



Rear View

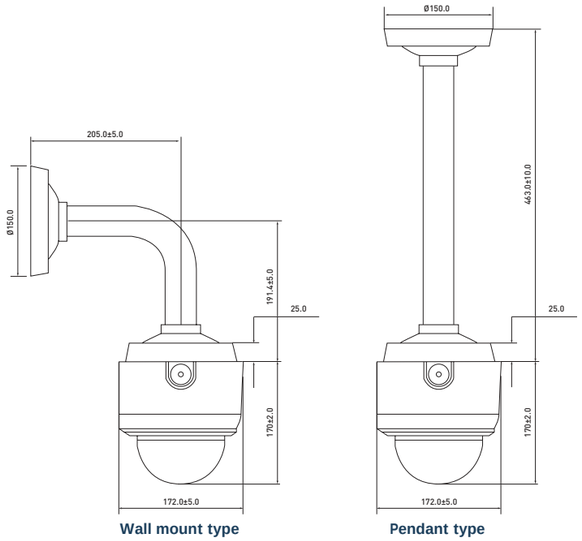
Dimension (unit : mm)



Insert type | Surface type

Specifications

Model	LPT-OI551HQ	LPT-OI553HQ
Signal System	NTSC	PAL
Total Pixels No.	811(H) X 508(V)	795(H) X 596(V)
Image Device	1/4" Ex View CCD	
Lens	X27 Zoom (F 1.5 (W), F 3.8(T) f =3.25 ~88.0 mm)	
Syncronization System	Internal	
Scanning Frequency(H)	15.734 KHz	15.625 KHz
Scanning Frequency(V)	59.94 Hz	50 Hz
Horizontal Resolution	520 TV Lines	
S/N Ratio	More Than 50dB (AGC Off)	
Minimum Illumination	Color Mode : 1 Lux B/W Mode : 0 Lux (IR on) / 0.005 Lux (IR off)	
Video Output Signal	1Vp-p Composite (75Ω)	
Control Method	RS 485	
Dome ID	256	
Alarm Input	4 Inputs	
Camera Function: Privacy Zone Masking	8 Zones	
Camera Function: Wide Dynamic Range	Off / On / Auto	
Camera Function: Electronic Sensitivity	Auto / Fix : x2, x3, x4,..., x20	
Camera Function: Electronic Shutter	1/60 to 1/50,000	1/50 to 1/50,000
Camera Function: Focus Mode	Auto / Manual (Automatic Change)	
Camera Function: Iris Control	Auto / Manual	
Camera Function: White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
Pan/Tilt Function: Panning Range & Speed	0 º~350 º, Max 120 º/Sec	
Pan/Tilt Function: Tilting Range & Speed	0 º~180 º, Max 120 º/Sec	
Pan/Tilt Function: Auto Panning	8 points	
Pan/Tilt Function: Preset	128 Positions	
Pan/Tilt Function: Group Touring	9 groups (8 presets / group)	
Pan/Tilt Function: Pattern Recording & Play	approx. 5 minutes	
Power Source	DC 12V	
Power Consumption	12W	
Operation Temp. / Humidity	-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity	-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Dimension(ø x H)	ø169 x 157mm(H)	
Weight	1.5kg	



Wall mount type | Pendant type

x27 Smart Dome Camera (Outdoor)

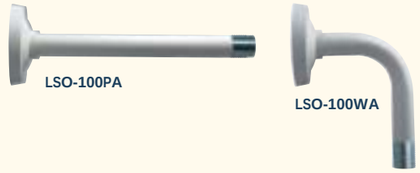
LPT-OS551HQ(NTSC)
LPT-OS553HQ(PAL)

Feature

- Built in X27 Optical Zoom Lens
- 1/4" 410K/470K pixels EX View CCD
- Day and Night function (I/R Cut Filter)
- Digital Slow Shutter
- Wide Dynamic Range (Dual Shutter)
- Minimum illumination of 0.005 Lux
- Privcay Zone Masking (8 zones)
- 128 Preset Positions
- 5 Min Pattern Recording & Play
- 4 Alarm Inputs
- 0º~350º, Max 120º/Sec
- 0º~180º, Max 120º/Sec
- RS485 Communication
- IP 66 (Protect against dust and strong jets of water)
- Color : Dark Gray / Ivory
- Dome Cover : Vandal -Proof

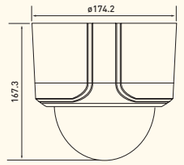
DSS | Privacy Zone | 520TV Lines | IP66

Bracket



Rear View

Dimension (unit : mm)

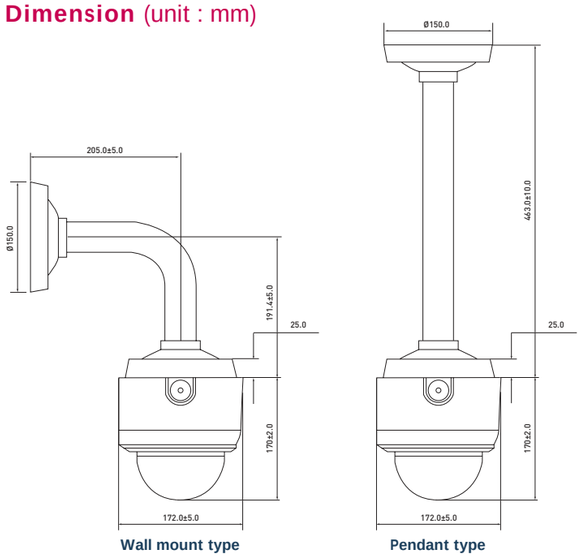


Surface type

Specifications

Model	LPT-OS551HQ	LPT-OS553HQ
Signal System	NTSC	PAL
Total Pixels No.	811(H) X 508(V)	795(H) X 596(V)
Image Device	1/4" Ex View CCD	
Lens	X27 Zoom (F 1.5 (W), F 3.8(T) f =3.25 ~88.0 mm)	
Syncronization System	Internal	
Scanning Frequency(H)	15.734 KHz	15.625 KHz
Scanning Frequency(V)	59.94 Hz	50 Hz
Horizontal Resolution	520 TV Lines	
S/N Ratio	More Than 50dB (AGC Off)	
Minimum Illumination	Color Mode : 1 Lux B/W Mode : 0 Lux (IR on) / 0.005 Lux (IR off)	
Video Output Signal	1Vp-p Composite (75Ω)	
Control Method	RS 485	
Dome ID	256	
Alarm Input	4 Inputs	
Camera Function: Privacy Zone Masking	8 Zones	
Camera Function: Wide Dynamic Range	Off / On / Auto	
Camera Function: Electronic Sensitivity	Auto / Fix : x2, x3, x4,..., x20	
Camera Function: Electronic Shutter	1/60 to 1/50,000	1/50 to 1/50,000
Camera Function: Focus Mode	Auto / Manual (Automatic Change)	
Camera Function: Iris Control	Auto / Manual	
Camera Function: White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
Pan/Tilt Function: Panning Range & Speed	0 º~350 º, Max 120 º/Sec	
Pan/Tilt Function: Tilting Range & Speed	0 º~180 º, Max 120 º/Sec	
Pan/Tilt Function: Auto Panning	8 points	
Pan/Tilt Function: Preset	128 Positions	
Pan/Tilt Function: Group Touring	9 groups (8 presets / group)	
Pan/Tilt Function: Pattern Recording & Play	approx. 5 minutes	
Power Source	DC 12V	
Power Consumption	12W	
Operation Temp. / Humidity	-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity	-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Dimension(ø x H)	ø169 x 157mm(H)	
Weight	2.5kg	

Dimension (unit : mm)



Wall mount type | Pendant type

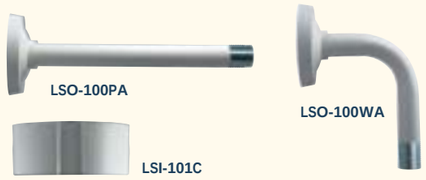
x16 Smart Dome Camera (Indoor)

LPT-OI511AQ (NTSC)
LPT-OI513AQ (PAL)

Feature

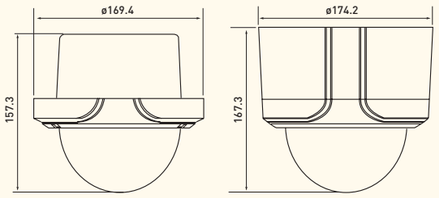
- Built in X16 Optical Zoom Lens
- 1/4" 410K/470K pixels Super HAD CCD
- Minimum illumination of 1 Lux
- 128 Preset Positions
- 5 Min Pattern Recording & Play
- 4 Alarm Inputs
- 0º~350º, Max 120º/Sec
- 0º~90º, Max 120º/Sec
- RS485 Communication
- IP 66 (Protect against dust and strong jets of water)
- Color : Dark Gray / Ivory
- Dome Cover : Vandal -Proof

Bracket



Rear View

Dimension (unit : mm)

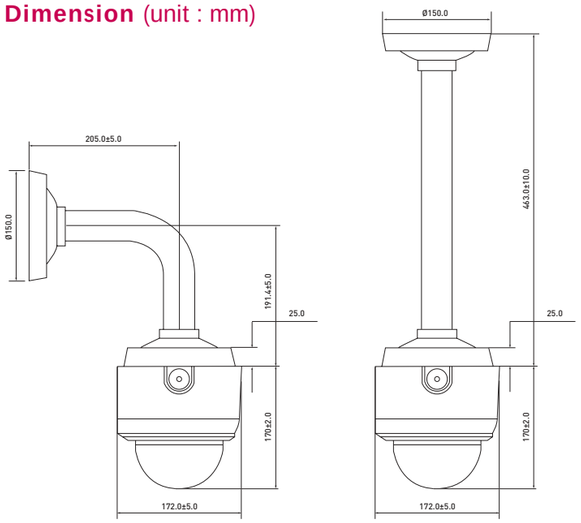


Insert type | Surface type

Specifications

Model		LPT-OI511AQ	LPT-OI513AQ
Signal System		NTSC	PAL
Total Pixels No.		811(H) X 508(V)	795(H) X 596(V)
Image Device		1/4" Super HAD CCD	
Lens		X16 Zoom (F 1.6 (W), F 3.8(T) f =3.9 ~ 63 mm)	
Syncronization System		Internal	
Scanning Frequency(H)		15.734 KHz	15.625 KHz
Scanning Frequency(V)		59.94 Hz	50 Hz
Horizontal Resolution		480 TV Lines	
S/N Ratio		More Than 50dB (AGC Off)	
Minimum Illumination		1 Lux	
Video Output Signal		1Vp-p Composite (75Ω)	
Control Method		RS 485	
Dome ID		256	
Alarm Input		4 Inputs	
Camera Function	Privacy Zone Masking	None	
	Wide Dynamic Range	None	
	Electronic Sensitivity	None	
	Electronic Shutter	1/60 to 1/10,000	1/50 to 1/10,000
	Focus Mode	Auto / Manual (Automatic Change)	
	Iris Control	Auto / Manual	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
Pan/Tilt Function	Panning Range & Speed	0 º~350 º, Max 120 º/Sec	
	Tilting Range & Speed	0 º~90 º, Max 120 º/Sec	
	Auto Panning	8 points	
	Preset	128 Positions	
	Group Touring	9 groups (8 presets / group)	
	Pattern Recording & Play	5 minutes	
Power Source		DC 12V	
Power Consumption		12W	
Operation Temp. / Humidity		-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity		-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Dimension(ø x H)		ø169 x 157mm(H)	
Weight		1.5kg	

Dimension (unit : mm)



Wall mount type | Pendant type

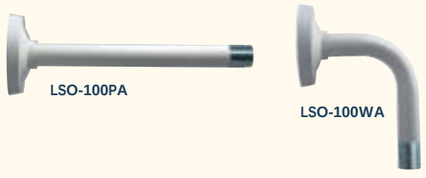
x16 Smart Dome Camera (Outdoor)

LPT-OS511AQ (NTSC)
LPT-OS513AQ (PAL)

Feature

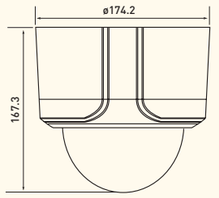
- Built in X16 Optical Zoom Lens
- 1/4" 410K/470K pixels Super HAD CCD
- Minimum illumination of 1 Lux
- 128 Preset Positions
- 5 Min Pattern Recording & Play
- 4 Alarm Inputs
- 0º~350º, Max 120º/Sec
- 0º~90º, Max 120º/Sec
- RS485 Communication
- IP 66 (Protect against dust and strong jets of water)
- Color : Dark Gray / Ivory
- Dome Cover : Vandal -Proof

Bracket



Rear View

Dimension (unit : mm)

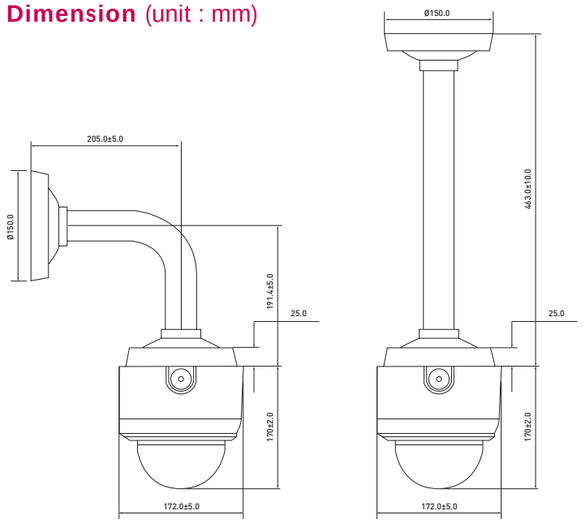


Surface type

Specifications

Model		LPT-OS511AQ	LPT-OS513AQ
Signal System		NTSC	PAL
Total Pixels No.		811(H) X 508(V)	795(H) X 596(V)
Image Device		1/4" Super HAD CCD	
Lens		X16 Zoom (F 1.6 (W), F 3.8(T) f =3.9 ~ 63 mm)	
Syncronization System		Internal	
Scanning Frequency(H)		15.734 KHz	15.625 KHz
Scanning Frequency(V)		59.94 Hz	50 Hz
Horizontal Resolution		480 TV Lines	
S/N Ratio		More Than 50dB (AGC Off)	
Minimum Illumination		1 Lux	
Video Output Signal		1Vp-p Composite (75Ω)	
Control Method		RS 485	
Dome ID		256	
Alarm Input		4 Inputs	
Camera Function	Privacy Zone Masking	None	
	Wide Dynamic Range	None	
	Electronic Sensitivity	None	
	Electronic Shutter	1/60 to 1/10,000	1/50 to 1/10,000
	Focus Mode	Auto / Manual (Automatic Change)	
	Iris Control	Auto / Manual	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
Pan/Tilt Function	Panning Range & Speed	0 º~350 º, Max 120 º/Sec	
	Tilting Range & Speed	0 º~90 º, Max 120 º/Sec	
	Auto Panning	8 points	
	Preset	128 Positions	
	Group Touring	9 groups (8 presets / group)	
	Pattern Recording & Play	5 minutes	
Power Source		DC 12V	
Power Consumption		12W	
Operation Temp. / Humidity		-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity		-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Dimension(ø x H)		ø169 x 157mm(H)	
Weight		2.5kg	

Dimension (unit : mm)



Wall mount type | Pendant type

P/T/Z Dome Controller

LCC-K1000

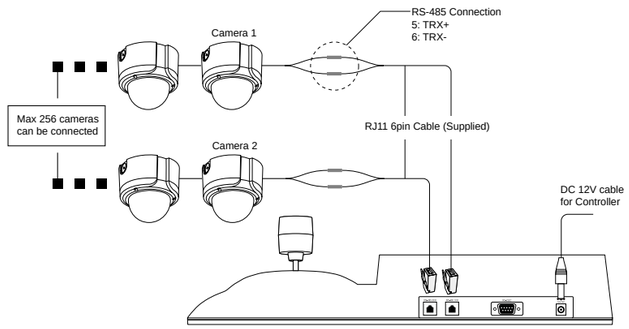
Feature

- User-friendly Graphic User Interface
- Compatible with LG Speed Domes and Zoom Cameras
- Program Preset Positions up to 128 and Pattern Control
- Privacy Zone Masking
- Easy Firmware Upgrade
- Ergonomic Design

Specifications

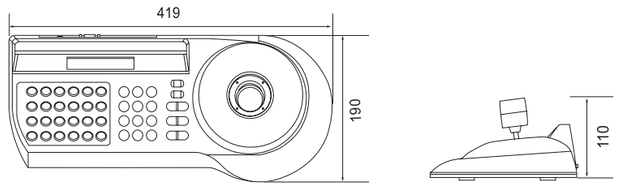
Model	LCC-K1000
Communication	RS-485
	RJ11 Interface (2 Ports)
Baud Rate	1,200 / 2,400 / 4,800 / 9,600 / 19,200 / 38,400 / 57,600 / 112,500 bps
Joy-Stick Type	3-Axis
Control	256 Camera ID / Protocol Selection / Alarm Control
	Pan / Tilt / Zoom / Iris Focus
	128 Positions Preset Touring
	8 Positions Auto Pannig
	4 Pattern Setting
	Privcay Zone Masking (8 zones)
Firmware Update	RS-232C
Total Key Number	44
Password	6 Digits
Display	4 Gray Graphic LCD (256 x 72 dots)
Operation Temp. / Humidity	-10 ºC ~50 ºC / 0%RH ~ 80%RH
Storage Temp. / Humidity	-20 ºC ~60 ºC / 0%RH ~ 85%RH
Supplied Voltage	DC12V
Power Consumption	1.5W
Weight	1kg
Dimension(H x V x D)	419 x 110 x 190mm

Connection



Rear View

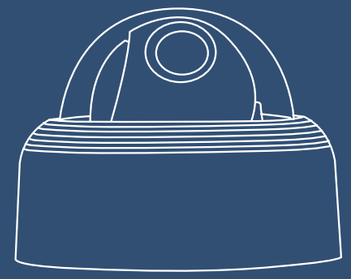
Dimension (unit : mm)



Dome Camera

Comparison Chart by Model

Spec / Model	Type	CCD	Total Pixels	Focus	Resolution	Min. illuminance	Day & Night	Optical Zoom	Sync	Voltage
LVC-DV321EC	NTSC	Super HAD	410K	2.6~6.0mm	540 lines	0.5Lux	O	x2	Internal/L.L(External)	DC12V / AC24V
LVC-DV323EC	PAL	Super HAD	470K	2.6~6.0mm	540 lines	0.5Lux	O	x2	Internal/L.L(External)	DC12V / AC24V
LVC-DV341EC	NTSC	Super HAD	410K	4.0~9.0mm	540 lines	0.5Lux	O	x2	Internal/L.L(External)	DC12V / AC24V
LVC-DV343EC	PAL	Super HAD	470K	4.0~9.0mm	540 lines	0.5Lux	O	x2	Internal/L.L(External)	DC12V / AC24V
LVC-DV100HM	NTSC	Super 1/3	410K	4.0~9.0mm	480 lines	0.5Lux	X	x2.3	Internal	DC12V
LVC-DV100HP	PAL	Super 1/3	470K	4.0~9.0mm	480 lines	0.5Lux	X	x2.3	Internal	DC12V
LVC-DV101HM	NTSC	Super 1/3	410K	2.6~6.0mm	480 lines	0.5Lux	X	x2.3	Internal	DC12V
LVC-DV101HP	PAL	Super 1/3	470K	2.6~6.0mm	480 lines	0.5Lux	X	x2.3	Internal	DC12V
LVC-DV110HM	NTSC	Super 1/3	410K	4.0~9.0mm	480 lines	0.5Lux	X	x2.3	Line Lock	AC24V
LVC-DV110HP	PAL	Super 1/3	470K	4.0~9.0mm	480 lines	0.5Lux	X	x2.3	Line Lock	AC24V
LVC-DV111HM	NTSC	Super 1/3	410K	2.6~6.0mm	480 lines	0.5Lux	X	x2.3	Line Lock	AC24V
LVC-DV111HP	PAL	Super 1/3	470K	2.6~6.0mm	480 lines	0.5Lux	X	x2.3	Line Lock	AC24V
LVC-DX420HM	NTSC	Super 1/3	480K	3.6mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-DX420HP	PAL	Super 1/3	480K	3.6mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D200HM	NTSC	Super 1/3	410K	3.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D200HP	PAL	Super 1/3	470K	3.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D201HM	NTSC	Super 1/3	410K	6.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D201HP	PAL	Super 1/3	470K	6.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D202HM	NTSC	Super 1/3	410K	12.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D202HP	PAL	Super 1/3	470K	12.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D203HM	NTSC	Super 1/3	410K	8.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D203HP	PAL	Super 1/3	470K	8.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D204HM	NTSC	Super 1/3	410K	3.7mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D204HP	PAL	Super 1/3	470K	3.7mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D210HM	NTSC	Super 1/3	410K	3.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D210HP	PAL	Super 1/3	470K	3.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D211HM	NTSC	Super 1/3	410K	6.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D211HP	PAL	Super 1/3	470K	6.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D212HM	NTSC	Super 1/3	410K	12.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D212HP	PAL	Super 1/3	470K	12.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D213HM	NTSC	Super 1/3	410K	8.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D213HP	PAL	Super 1/3	470K	8.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D214HM	NTSC	Super 1/3	410K	3.7mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D214HP	PAL	Super 1/3	470K	3.7mm	480 lines	0.5Lux	X	X	Line Lock	AC24V



Mini Dome Camera

D&N Dome Camera LVC-DV321EC (NTSC) I LVC-DV323EC (PAL) **16**
Mini Dome Camera LVC-DX420HM (NTSC) I LVC-DX420HP (PAL) **17**
Vari-focal Dome Camera LVC-DV100HM (NTSC) I LVC-DV100HP (PAL) **18**
Vari-focal Dome Camera LVC-DV110HM (NTSC) I LVC-DV110HP (PAL) **19**
Dome Camera LVC-D200HM (NTSC) I LVC-D200HP (PAL) **20**
Dome Camera LVC-D210HM (NTSC) I LVC-D210HP (PAL) **21**

D&N Dome Camera

LVC-DV321EC (NTSC)
LVC-DV323EC (PAL)

Feature

- Day and Night Function (IR Cut Filter)
- Optical x2 varifocal lens
- 540 TV lines of horizontal resolution
- High sensitivity with a minimum scene illumination of 0.1 lux (F1.2)
- BLC covers various light conditions
- Excellent signal-to-noise ratio of 52dB
- Internal / Line Lock (External)
- Built in varifocal and DC(Auto) iris lens (f=2.6~6.0mm /F1.4 : LVC-DV321EC/DV323EC) (f=4.0~9.0mm /F1.6 : LVC-DV341EC/DV343EC)
- IP 66 (Protect against dust and strong jets of water)
- Power Supply : Automatically switchable between DC12V and AC24V
- Color : Dark Gray / Ivory
- Dome Cover : Vandal -Proof
- 3 axis mechanism

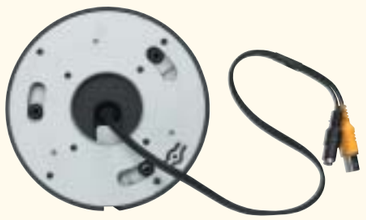
Specifications

Model		LVC-DV321EC	LVC-DV323EC
Signal System		NTSC	PAL
Total Pixels No		811(H) X 508(V)	795(H) X 596(V)
Image Device		1/3" Super HAD CCD	
Lens		f=2.6~6.0mm / F1.4 DC IRIS (DV321EC/DV323EC) f=4.0~9.0mm / F1.6 DC IRIS (DV341EC/DV343EC)	
Angular Field of View		123.2 º~60.0 º (DV321EC/DV323EC) 86.2 º~40.2 º (DV341EC/DV343EC)	
Syncronization System		Internal / External (Line Lock)	
Scanning Frequency(H)		15.734 KHz	15.625 KHz
Scanning Frequency(V)		59.94 Hz	50 Hz
Horizontal Resolution		540 TV Lines	
S/N Ratio		More Than 52dB	
Minimum Illumination		0.1 Lux (F1.2)	
Video Output Signal		1Vp-p Composite (75Ω)	
Function	Day & Night	Auto	
	Auto Gain Control	On /Off	
	Back Light Compensation	On /Off	
	Electronic Shutter	1/60 ~1/100,000	1/50 ~1/100,000
	White Balance	Auto / Push Auto	
Power Source		DC12 V / AC24V	
Power Consumption		4.3 W	
Operation Temp. / Humidity		-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity		-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Dimension(ø x H)		ø140 x 110mm	
Weight		900g	

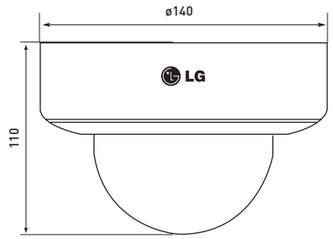
Series Model

f=2.6~6.0mm / F.1.4	LVC-DV321EC/DV323EC
f=4.0~9.0mm / F.1.6	LVC-DV341EC/DV343EC

Rear View



Dimension (unit : mm)



Mini Dome Camera

LVC-DX420HM (NTSC)
LVC-DX420HP (PAL)

New

Feature

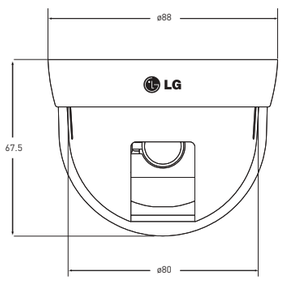
- Dome size : ø80
- 480TV Lines of Horizontal Resolution
- High Sensitivity with a Minimum Scene illumination of 0.5LUX(F1.2)
- Auto White Balance
- Excellent signal-to-noise ratio of 50dB
- Internal Syncroniztion
- Power supply : DC12V

Specifications

Model		LVC-DX420HM	LVC-DX420HP
Signal System		NTSC	PAL
Total Pixels No		811(H) X 508(V)	811(H) X 508(V)
Image Device		1/3" Super HAD CCD	
Lens		Fixed Lens (f=3.6 F=2.0)	
Angular Field of View		92˚(f=3.7mm)	
Syncronization System		Internal	
Scanning Frequency(H)		15.734KHZ	15.625KHZ
Scanning Frequency(V)		59.94HZ	50HZ
Horizontal Resolution		480 TV Lines	
S/N Ratio		More than 50dB	
Minimum Illumination		0.5Lux (F1.2)	
Video Output Signal		1Vp-p Composite (75Ω)	
Function	Auto Gain Control	Auto	
	Electronic Shutter	Electric Shutter(1/60 ~ 1/100,000)	Electric Shutter(1/50 ~ 1/100,000)
	White Balance	Auto	
	Auto Exposure	Auto	
Power Source		DC 12V	
Power Consumption		2.2 W	
Operation Temp. / Humidity		-10°C~50°C (Humidity :0%RH _ 80%RH)	
Storage Temp. / Humidity		-20°C~60°C (Humidity :0%RH _85%RH)	
Dimension(ø x H)		ø88 x 67.5mm	
Weight		60g	

Rear View

Dimension (unit : mm)



Vari-focal Dome Camera

LVC-DV100HM (NTSC)
LVC-DV100HP (PAL)

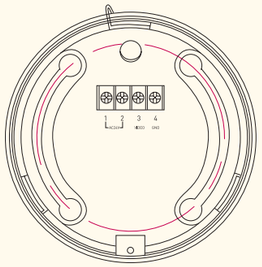
Feature

- Optical x2.3 varifocal lens
- 480 TV lines of horizontal resolution
- Hight sensitivity with a minimum scene illumination of 0.5 lux (F1.2)
- BLC covers various light conditions
- Auto White Balance
- Excellent signal-to-noise ratio of 48db
- Internal Syncroniztion
- Built in varifocal and DC(Auto) iris lens
  (f=2.6~6.0mm /F1.4 : LVC-DV111HM/HP)
  (f=4.6~9.0mm /F1.6 : LVC-DV110HM/HP)
- Power Supply : DC12V

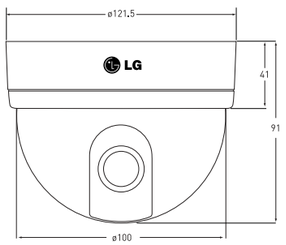
Specifications

Model		LVC-DV100HM	LVC-DV100HP
Signal System		NTSC	PAL
Total Pixels No		811(H) X 508(V)	795(H)X596(V)
Image Device		1/3" Super HAD CCD	
Lens		f=2.6~6.0mm / F1.4, f=4.0~9.0mm / F1.6, DC IRIS	
Angular Field of View		125.0º~60.0º (f=2.6~6.0mm), 92.6º~39.4º (f=4.0~9.0mm)	
Syncronization System		Internal	
Scanning Frequency(H)		15.734 KHz	15.625 KHz
Scanning Frequency(V)		59.94 Hz	50 Hz
Horizontal Resolution		480 TV Lines	
S/N Ratio		More than 48dB	
Minimum Illumination		0.5 Lux(F1.2)	
Video Output Signal		1Vp-p Composite (75Ω)	
Function	Auto Gain Control	Auto	
	Back Light Compensation	On/Off, Auto	
	Electronic Shutter	Electronic Shutter(1/60~1/10000)	Electronic Shutter(1/50~1/10000)
	White Balance	Auto	
Power Source		DC12V	
Power Consumption		2.3W	
Operation Temp. / Humidity		-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity		-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Dimension(ø x H)		ø121.5mm (Dia)x91mm(H), Dome Size=ø100	
Weight		251g	

Rear View



Dimension (unit : mm)



Vari-focal Dome Camera

LVC-DV110HM (NTSC)
LVC-DV110HP (PAL)

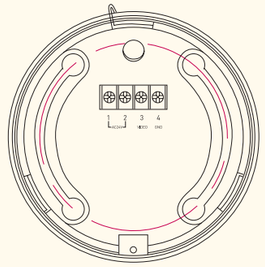
Feature

- Optical x2.3 varifocal lens
- 480 TV lines of horizontal resolution
- Hight sensitivity with a minimum scene illumination of 0.5 lux (F1.2)
- BLC covers various light conditions
- Auto White Balance
- Excellent signal-to-noise ratio of 48db
- External(Line Lock) Syncroniztion
- Built in varifocal and DC(Auto) iris lens
  (f=2.6~6.0mm /F1.4 : LVC-DV111HM/HP)
  (f=4.6~9.0mm /F1.6 : LVC-DV110HM/HP)
- Power Supply : AC24V

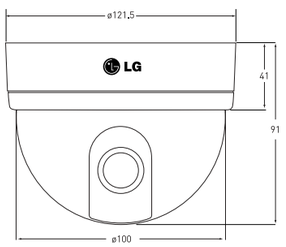
Specifications

Model		LVC-DV110HM	LVC-DV110HP
Signal System		NTSC	PAL
Total Pixels No		811(H) X 508(V)	795(H) X 596(V)
Image Device		1/3" Super HAD CCD	
Lens		f=2.6~6.0mm / F1.4, f=4.0~9.0mm / F1.6, DC IRIS	
Angular Field of View		125.0º~60.0º (f=2.6~6.0mm), 92.6º~39.4º (f=4.0~9.0mm)	
Syncronization System		Internal	
Scanning Frequency(H)		15.734 KHz	15.625 KHz
Scanning Frequency(V)		59.94 Hz	50 Hz
Horizontal Resolution		480 TV Lines	
S/N Ratio		More than 48dB	
Minimum Illumination		0.5 Lux(F1.2)	
Video Output Signal		1Vp-p Composite (75Ω)	
Function	Auto Gain Control	Auto	
	Back Light Compensation	On/Off, Auto	
	Electronic Shutter	Electronic Shutter(1/60~1/10,000)	ElectronicShutter(1/50~1/10,000)
	White Balance	Auto	
Power Source		AC24V	
Power Consumption		3W	
Operation Temp. / Humidity		-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity		-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Dimension(ø x H)		ø121.5mm (Dia)x91mm(H), Dome Size=ø100	
Weight		273g	

Rear View



Dimension (unit : mm)



Dome Camera

LVC-D200HM (NTSC)
LVC-D200HP (PAL)

Feature

- 480 TV lines of horizontal resolution
- Hight sensitivity with a minimum scence illumination of 0.5 lux (F1.2)
- BLC covers various light conditions
- Auto White Balance
- Excellent signal-to-noise ratio of 48db
- Internal Syncroniztion
- Power Supply : DC12V

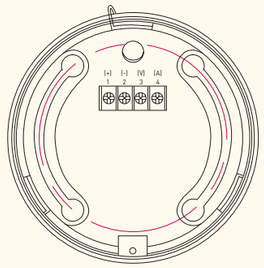
Specifications

Model		LVC- D200HM	LVC-D200HP
Signal System		NTSC	PAL
Total Pixels No		811(H) X 508(V)	795(H) X 596(V)
Image Device		1/3" Super HAD CCD	
Lens		Fixed Lens (f=3.0mm, 6.0mm, 12mm, 8.0mm, 3.7mm)	
Angular Field of View		115º (f=3.0mm), 54º (f=6mm), 25.7º (f=12mm), 38.6º (f=8mm), 92º (f=3.7mm)	
Syncronization System		Internal	
Scanning Frequency(H)		15.734 KHz	15.625 KHz
Scanning Frequency(V)		59.94 Hz	50 Hz
Horizontal Resolution		480 TV Lines	
S/N Ratio		More than 48dB	
Minimum Illumination		0.5 Lux(F1.2)	
Video Output Signal		1Vp-p Composite (75Ω)	
Function	Auto Gain Control	Auto	
	Back Light Compensation	On/Off, Auto	
	Electronic Shutter	Electronic Shutter(1/60~1/10000)	Electronic Shutter(1/50~1/10000)
	White Balance	Auto	
Power Source		DC12V	
Power Consumption		2.3W	
Operation Temp. / Humidity		-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity		-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Dimension(ø x H)		ø120mm (Dia)x76.5mm (H), Dome Size=ø100	
Weight		182g	

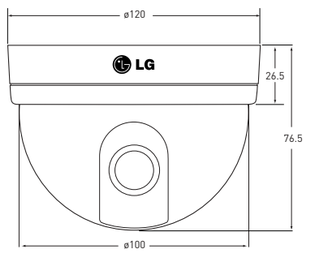
Series Model

f=3.0mm / F.2.0	LVC-D200
f=6.0mm / F.1.8	LVC-D201
f=12.0mm / F.2.5	LVC-D202
f=3.7mm / F.2.0	LVC-D203

Rear View



Dimension (unit : mm)



Dome Camera

LVC-D210HM (NTSC)
LVC-D210HP (PAL)

Feature

- 480 TV lines of horizontal resolution
- Hight sensitivity with a minimum scence illumination of 0.5 lux (F1.2)
- BLC covers various light conditions
- Auto White Balance
- Excellent signal-to-noise ratio of 48db
- Enternal(Line Lock) Syncroniztion
- Power Supply : AC24V

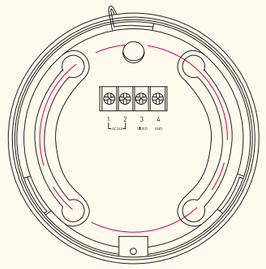
Specifications

Model		LVC-D210HM	LVC-D210HP
Signal System		NTSC	PAL
Total Pixels No		811(H) X 508(V)	795(H) X 596(V)
Image Device		1/3" Super HAD CCD	
Lens		Fixed Lens (f=3.0mm, 6.0mm, 12mm, 8.0mm, 3.7mm)	
Angular Field of View		115º (f=3.0mm), 54º (f=6mm), 25.7º (f=12mm), 38.6º (f=8mm), 92º (f=3.7mm)	
Syncronization System		Enternal(Line Lock)	
Scanning Frequency(H)		15.734 KHz	15.625 KHz
Scanning Frequency(V)		59.94 Hz	50 Hz
Horizontal Resolution		480 TV Lines	
S/N Ratio		More than 48dB	
Minimum Illumination		0.5 Lux(F1.2)	
Video Output Signal		1Vp-p Composite (75Ω)	
Function	Auto Gain Control	Auto	
	Back Light Compensation	On/Off, Auto	
	Electronic Shutter	Electronic Shutter(1/60~1/10000)	Electronic Shutter(1/50~1/10000)
	White Balance	Auto	
Power Source		AC24V	
Power Consumption		3W	
Operation Temp. / Humidity		-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity		-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Dimension(ø x H)		ø121.5mm (Dia)x91mm (H), Dome Size=ø100	
Weight		247g	

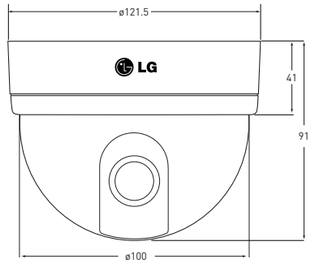
Series Model

f=3.0mm / F.2.0	LVC-D210
f=6.0mm / F.1.8	LVC-D211
f=12.0mm / F.2.5	LVC-D212
f=8.0mm / F.2.5	LVC-D213
f=3.7mm / F.2.0	LVC-D214

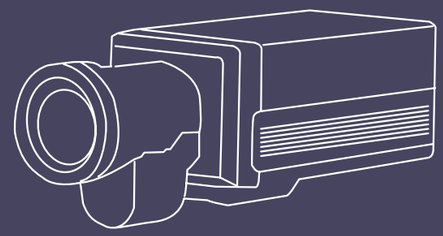
Rear View



Dimension (unit : mm)



C/CS MOUNT CAMERA



C/CS Mount Camera

D&N Camera LVC-SX701PC (NTSC) I LVC-SX703PC (PAL) **25**
D&N Camera LVC-SX810HM (NTSC) | LVC-SX810HP (PAL) **26**
Color Camera LVC-S60HM (NTSC) I LVC-S60HP (PAL) **27**
Color Camera LVC-S20HM (NTSC) I LVC-S20HP (PAL) **28**
Color Camera LVC-S10HM (NTSC) I LVC-S10HP (PAL) **29**

Comparison Chart by Model

Spec Model	Type	CCD	Total Pixels	Resolution	Min. illumination	DSS	Motion Detection	Wide Burst	Digital Zoom	Sync	Voltage
LVC-SX701PC	Color NTSC	Double Density 1/3	410K	540 lines	0.003Lux	O	O	X	X2	Internal/External	AC24/DC12V
LVC-SX701OC	Color NTSC	Super 1/3	410K	540 lines	0.003Lux	O	O	X	X2	Internal/External	AC24/DC12V
LVC-SX701MC	Color NTSC	Super 1/3	410K	540 lines	0.3Lux	X	O	X	X2	Internal/External	AC24/DC12V
LVC-SX703PC	Color PAL	Double Density 1/3	470K	540 lines	0.003Lux	O	O	X	X2	Internal/External	AC24/DC12V
LVC-SX703OC	Color PAL	Super 1/3	470K	540 lines	0.003Lux	O	O	X	X2	Internal/External	AC24/DC12V
LVC-SX703MC	Color PAL	Super 1/3	470K	540 lines	0.3Lux	X	O	X	X2	Internal/External	AC24/DC12V
LVC-SX703PB	Color PAL	Double Density 1/3	470K	540 lines	0.003Lux	O	O	X	X2	Internal/External	AC230V
LVC-SX703OB	Color PAL	Super 1/3	470K	540 lines	0.003Lux	O	O	X	X2	Internal/External	AC230V
LVC-SX703MB	Color PAL	Super 1/3	470K	540 lines	0.3Lux	X	O	X	X2	Internal/External	AC230V
LVC-SX810HM	Color NTSC	Super 1/3	410K	500 lines	0.4Lux	X	X	X	X	Internal	DC12V
LVC-SX810HP	Color PAL	Super 1/3	470K	500 lines	0.4Lux	X	X	X	X	Internal	DC12V
LVC-S60HM	Color NTSC	Super 1/3	410K	480 lines	0.4Lux	X	X	X	X	Internal/Line Lock	DC12V/AC24V
LVC-S60HP	Color PAL	Super 1/3	470K	480 lines	0.4Lux	X	X	X	X	Internal/Line Lock	DC12V/AC24V
LVC-S60NM	Color NTSC	Super 1/3	270K	330 lines	0.4Lux	X	X	X	X	Internal/Line Lock	DC12V/AC24V
LVC-S60NP	Color PAL	Super 1/3	320K	320 lines	0.4Lux	X	X	X	X	Internal/Line Lock	DC12V/AC24V
LVC-S20HM	Color NTSC	Super 1/3	410K	480 lines	0.01Lux	O	O	O	x2	Internal/Line Lock	DC12V/AC24V
LVC-S20HP	Color PAL	Super 1/3	470K	480 lines	0.01Lux	O	O	O	x2	Internal/Line Lock	DC12V/AC24V
LVC-S201HM	Color NTSC	Super 1/3	410K	480 lines	0.01Lux	O	O	O	x2	Internal/Line Lock	AC100V/AC240V
LVC-S201HP	Color PAL	Super 1/3	470K	480 lines	0.01Lux	O	O	O	x2	Internal/Line Lock	AC100V/AC240V
LVC-S10HM	Color NTSC	Super 1/3	410K	480 lines	0.5Lux	X	O	O	x2	Internal/Line Lock	DC12V/AC24V
LVC-S10HP	Color PAL	Super 1/3	470K	480 lines	0.5Lux	X	O	O	x2	Internal/Line Lock	DC12V/AC24V
LVC-S10NM	Color NTSC	Super 1/3	270K	330 lines	0.4Lux	X	O	O	X	Internal/Line Lock	DC12V/AC24V
LVC-S10NP	Color PAL	Super 1/3	320K	320 lines	0.4Lux	X	O	O	X	Internal/Line Lock	DC12V/AC24V
LVC-S101HM	Color NTSC	Super 1/3	410K	480 lines	0.5Lux	X	O	O	x2	Internal/Line Lock	AC100V/AC240V
LVC-S101HP	Color PAL	Super 1/3	470K	480 lines	0.5Lux	X	O	O	x2	Internal/Line Lock	AC100V/AC240V
LVC-S101NM	Color NTSC	Super 1/3	270K	330 lines	0.4Lux	X	O	O	X	Internal/Line Lock	AC100V/AC240V
LVC-S101NP	Color PAL	Super 1/3	320K	320 lines	0.4Lux	X	O	O	X	Internal/Line Lock	AC100V/AC240V

LVC-SX701PC (NTSC)
LVC-SX703PC (PAL)

Feature

- Filter Changeable Day & Night
- WDR by Dual Shutter
- Digital Slow Shutter
- 540 TV lines of horizontal resolution
- Motion Detection (Isolation MOS Relay OUT)
- 5 Multi Language OSD
- CS Mount (C Mount Using Adaptor Ring)
- DC / Video / ELC Iris Lens Available
- DC 12V / AC24V (PAL : AC 230V Available)
- Privcacy Zone Masking (8 zones)
- RS-485 Serial Communication

Rear View

Specifications

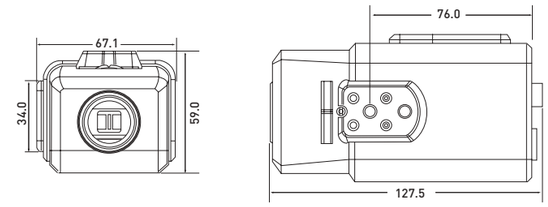
Model	LVC-SX701PC	LVC-SX703PC
Signal System	NTSC	PAL
Total Pixels No.	811(H) X 508(V)	795(H) X 596(V)
Image Device	1/3" Super HAD CCD	
Lens	CS Mount (C mount using adaptor ring)	
Iris Control	DC / ELC / VIDEO Selectable	
Syncronization System	Internal / External (Line Lock)	
Scanning Frequency(H)	15.734 KHz	15.625 KHz
Scanning Frequency(V)	59.94 Hz	50 Hz
Horizontal Resolution	540 TV Lines	
S/N Ratio	More Than 52dB (AGC Off)	
Minimum Illumination	Color Mode :0.001 (0.3) Lux (DSS OFF) B/W Mode : 0.0001 (0.02) Lux (DSS OFF)	
Video Output Signal	1Vp-p Composite (75Ω)	
Control Method	RS 485	
Function: Auto Gain Control	Off / Low / Medium / High	
Function: Day & Night	Day / Night / Auto / EXT	
Function: Electronic Shutter	1/60 ~1/100,000 (Auto Mode)	1/50 ~1/100,000 (Auto Mode)
Function: White Balance	Auto / Push Auto / Manual	
Function: Electronic Sensitivity	Auto / Fix : x2, x4,...x 128, x320 (13 steps)	
Function: WDR (BLC)	WDR / BLC1 / BLC2 / BLC USER / BLC OFF	
Function: Motion Detection	On / Off	
Function: Privacy Zone Masking	8 Zones	
Function: Multi OSD Language	English, Japanese, Chinese, Russian, Korean	
Power Source	DC12V / AC 24V	DC12V / AC 24V, AC230V*
Power Consumption	6 W	
Operation Temp. / Humidity	-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity	-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Weight	250 g	
Dimension(H x V x D)	67.1 X 59 X 127.5mm	

*LVC-SX703PB/LVC-SX703OB/LVC-SX703MB

Series Model

Models	SIGNAL SYSTEM	D&N	WDR	DSS	Power Source
LVC-SX701PC	NTSC	•	•	•	AC24/DC12V
LVS-SX701OC	NTSC	•		•	AC24/DC12V
LVC-SX701MC	NTSC	•			AC24/DC12V
LVC-SX703PC	PAL	•	•	•	AC24/DC12V
LVC-SX703OC	PAL	•		•	AC24/DC12V
LVC-SX703MC	PAL	•			AC24/DC12V
LVC-SX703PB	PAL	•	•	•	AC230V
LVC-SX703OB	PAL	•		•	AC230V
LVC-SX703MB	PAL	•			AC230V

Dimension (unit : mm)



D&N Camera

LVC-SX810HM (NTSC)
LVC-SX810HP (PAL)

New

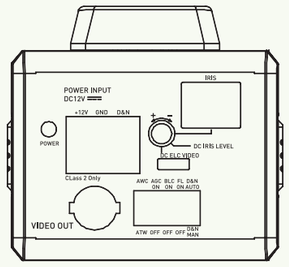
Feature

- 1/3” Super HAD CCD
- Filter Changeable Day & Night Function
- 500 TV Lines of Horizontal Resolution
- Low Illumination : 0.4 Lux(F1.0, Color Mode)
  0.1 Lux(F1.0, B/W Mode)
- White Balance : ATW / AWC
  (Push Auto White Balance)
- Excellent Signal-to-Noise ratio of 50dB
- Available C/CS Mount Lens
- DC 12V

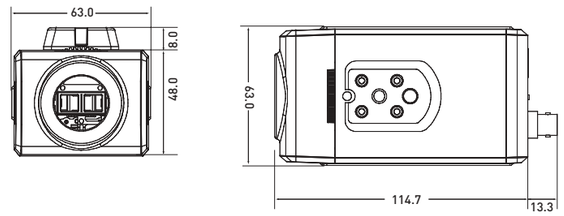
Specifications

Model	LVC-SX810HM	LVC-SX810HP
Signal System	NTSC	PAL
Total/Effective Pixels	410K / 380K	470K / 440K
Pick-up Device	1/3" Super HAD CCD	
Lens	C / CS Mount (Adaptor ring for C Mount lens : optional)	
Iris Control	DC / ELC / Video	
Signal Process	Digital Signal Process	
Scanning System	2:1 Interlace	
Sync System	Internal	
Scanning Frequency	59.94 Hz (VD)	50 Hz (VD)
Horizontal Resolution	500 Lines	
S/N Ratio	More Than 50dB (AGC Off)	
Standard Illumination	2000 Lux (3200 °K)	
Sensitivity (1/3 Output)	Color Mode : 0.4 Lux(F1.0) B/W Mode : 0.1 Lux (F 1.0)	
Video Output Signal	1Vp-p Composite (75ohm)	
Day & Night	Auto / Manual / EXT	
Back Light	On / Off	
Gain Control	On (30dB) / Off (10dB)	
Flickerless	On / Off	
White Balance	ATW / AWC (Push Auto White Balance)	
Exposure	Automatic control with DC Iris meter / Video Iris / Auto Electronic Shutter Iris (Max 1/100,000)	
Power Source	DC 12V	
Power Consumption	Less than 3.5 W	
Operation Temp	-10°C ~ 50°C ,0%RH~60%RH	
Storage Temp	-20°C ~ 60°C , 0%RH~85%RH	
Weight	300g	
Dimension (H x V x D)	63.0(H) X 48.0(V) X 114.7(D)	

Rear View



Dimension (unit : mm)



Color Camera

LVC-S60HM (NTSC)
LVC-S60HP (PAL)

Feature

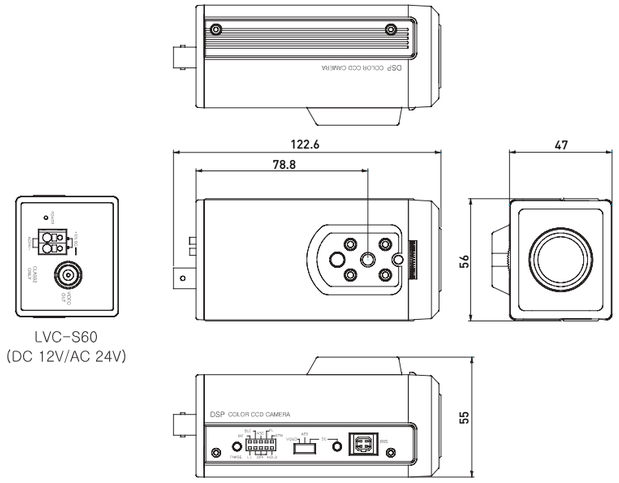
- Digital Signal Processing (DSP)
- 1/3” Super HAD CCD
  410,000 pixels (NTSC)
  470,000 pixels (PAL)
- 480 TV lines of horizontal resolution
- High sensitivity with a minimum scene illumination of 0.4 lux (F1.0)
- BLC covers various light conditions
- White Balance : Auto / Manual
- Excellent Signal-to-noise ratio of 50dB
- Internal / External synchronization with Line-Lock
- Accept 3 types of auto iris lenses (DC / AES / Video)
- Auto polarity

Specifications

Model	LVC-S60HM	LVC-S60HP
Signal System	NTSC	PAL
Total/Effective Pixels	410K/380K Pixels	470K/440K Pixels
Pick-up Device	1/3” Interline Color CCD (Super HAD)	
Lens	C/CS Mount (Adapter Ring for C mount lens:optional)	
Iris Control	DC / AES / VIDEO	
Signal Process	Digital Signal Process	
Scanning System	2:1 Interlace	
Sync. System	Internal / Line Lock	
Scanning Frequency	59.94Hz(VD)	50.00Hz(VD)
Resolution	480 Lines	
S/N Ratio	More Than 50dB	
Standard Illumination	2000 Lux (5100 ºK)	
Sensitivity (1/3 Output)	0.4 Lux (F1.0)	
Video Output Signal	1 Vp-p Composite (75Ω)	
Back Light	On / Off	
Gain Control	On (30dB) / Off (10dB)	
Flickerless	On / Off	
White Balance	ATW / HOLD	
Exposure	Automatic control with DC Iris meter / Video Iris meter / Auto Electronic Shutter (Max. 1/100000)	
Power Source	DC12V (Auto Polarity Sensing) / AC24V	
Power Consumption	3.5W	
Operation Temperature	-10 ºC~50 ºC (Humidity : 0%RH~60%RH)	
Storage Temperature	-20 ºC~60 ºC (Humidity : 0%RH~85%RH)	
Weight	300g	
Dimension(H x V x D)	56 x 56 x 122.5mm	

Rear View

Dimension (unit : mm)



Color Camera

LVC-S20HM (NTSC)
LVC-S20HP (PAL)

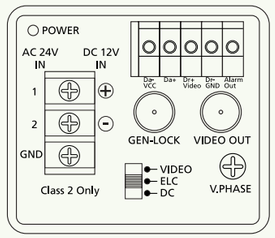
Feature

- Digital Signal Processing (DSP)
- 1/3” Super HAD CCD
- 480 TV lines of horizontal resolution
- High sensitivity with a minimum scene illumination of 0.01 lux (F1.0) with DSS
- BLC covers various light conditions
- White Balance : Auto / Manual
- Excellent signal-to-noise ratio of 50dB
- Internal / External synchronization with line-lock
- On screen display menus
- x2 Digital Zoom
- Motion detection
- Wide burst for long distance use

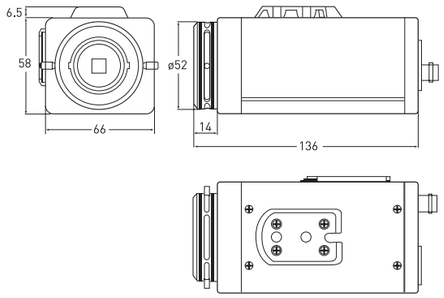
Specifications

Model	LVC-S20HM	LVC-S20HP
Signal System	NTSC	PAL
Total/Effective Pixels No.	410K/380K Pixels	470K/440K Pixels
Pick-up Device	1/3” Interline Color CCD(Super HAD)	
Lens	C/CS Mount	
Iris Control	VIDEO / ELC / DC	
Signal Process	Digital Signal Process	
Digital Zoom	x2	
Scanning System	2:1 Interlace	
Sync. System	Internal/ External (VS/VD/Line Lock)	
Scanning Frequency	59.94Hz(VD)	50Hz(VD)
Resolution	480 Lines	
S/N Ratio	More Than 50dB	
Standard Illumination	2000 Lux (3200 ºK)	
Sensitivity(1/3 Output)	Normal Mode : 0.5 Lux (30IRE,F1.0), Electronic Shutter Speed Mode : 0.01 Lux (32 Field Accumulate)	
Video Output Signal	1 Vp-p Composite (75Ω)	
Back Light	On / Off	
Gain Control	On / Off	
White Balance	ATW / AWC / Push Auto	
Electronic Exposure	Electronic Shutter(1/60-1/10000)	Electronic Shutter(1/50-1/10000)
Shutter Speed	8 Step with Flickerless(Normal 1/60)	8 Step with Flickerless(Normal 1/50)
Brightness	Manual Up / Down	
Motion Detection	TTL Out (Low Active)	
Wide Burst	On / Off	
Sharpness	Normal/ Soft/ Sharp	
Power Source	DC 12V / AC24V	
Power Consumption	4W	
Operation Temperature	-10ºC ~ 50ºC (Humidity: 0%RH~60%RH)	
Storage Temperature	-20 ºC~60 ºC (Humidity: 0%RH~85%RH)	
Weight	430g	
Dimension(H x V x D)	58 x 66 x 136mm	

Rear View



Dimension (unit : mm)



Color Camera

LVC-S10HM (NTSC)
LVC-S10HP (PAL)

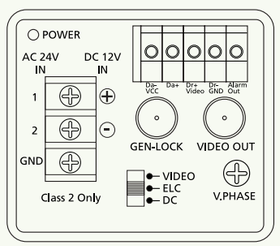
Feature

- Digital Signal Processing (DSP)
- 480 TV lines of horizontal resolution
- High sensitivity with a minimum scene illumination of 0.5 lux (F1.0)
- BLC covers various light conditions
- White Balance : Auto / Manual
- Excellent signal-to-noise ratio of 50dB
- Internal / External synchronization with line-lock
- Accept 3 types of auto iris lenses (Video / ELC / DC)
- On screen menus
- x2 Digital Zoom
- Motion detection
- Wide burst for long distance use
- Accept CS and C mount lenses without adaptor

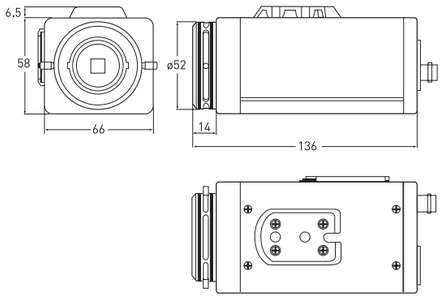
Specifications

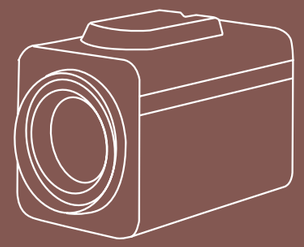
Model	LVC-S10HM	LVC-S10HP
Signal System	NTSC	PAL
Total/Effective Pixels No.	410K/380K Pixels	470K/440K Pixels
Pick-up Device	1/3” Interline Color CCD(Super HAD)	
Lens	C/CS Mount	
Iris Control	VIDEO / ELC / DC	
Signal Process	Digital Signal Process	
Digital Zoom	x2	
Scanning System	2:1 Interlace	
Sync. System	Internal / External (VS/VD/Line Lock)	
Scanning Frequency	59.94Hz(VD)	50Hz(VD)
Resolution	480 Lines	
S/N Ratio	More Than 50dB	
Standard Illumination	2000 Lux (3200 ºK)	
Sensitivity(1/3 Output)	0.5 Lux (30IRE,F1.0)	
Video Output Signal	1 Vp-p Composite (75Ω)	
Back Light	On / Off	
Gain Control	On / Off	
White Balance	ATW / AWC / Push Auto	
Electronic Exposure	Electronic Shutter(1/60-1/10000)	Electronic Shutter(1/50-1/10000)
Shutter Speed	8 Step with Flickerless(Normal 1/60)	8 Step with Flickerless(Normal 1/50)
Brightness	Manual Up / Down	
Motion Detection	TTL Out (Low Active)	
Wide Burst	On / Off	
Sharpness	Normal/ Soft/ Sharp	
Power Source	DC12V / AC24V	
Power Consumption	3.5W	
Operation Temperature	-10ºC ~ 50ºC	
Storage Temperature	-20ºC ~ 60ºC	
Weight	430g	
Dimension (H x V x D)	58 x 66 x 136mm	

Rear View



Dimension (unit : mm)





Zoom Complete Camera

x27 D&N Camera LVC-C513HM (NTSC) I LVC-C513HP (PAL) **34**
x27 D&N Camera LVC-C313HM (NTSC) I LVC-C313HP (PAL) **35**
x22 Zoom Camera LVC-A913HM (NTSC) I LVC-A913HP (PAL) **36**
x16 Zoom Camera LVC-A730HM (NTSC) I LVC-A730HP (PAL) **37**

Zoom Complete Camera

Comparison Chart by Model(NTSC)

Spec / Model	Optical Zoom	Digital Zoom	CCD	Total Pixels	Resolution	Min. illumination	Day& Night	WDR	DSS	Privacy Zone	Connector Type	Camera Control	Sync	Voltage
LVC-C500HM	x27	X12	Super 1/4	410K	520 lines	1Lux	X	X	X	O	6Pin Din	PTZ	Internal	DC12V
LVC-C503HM	x27	x2	EX View 1/4	410K	520 lines	0.01Lux	X	O (Dual)	O	O	6Pin Din	PTZ	Internal	DC12V
LVC-C510HM	x27	X12	Super 1/4	410K	520 lines	0.5Lux	O	X	X	O	6Pin Din	PTZ	Internal	DC12V
LVC-C513HM	x27	x2	EX View 1/4	410K	520 lines	0.005Lux	O	O (Dual)	O	O	6Pin Din	PTZ	Internal	DC12V
LVC-C530HM	x27	X12	Super 1/4	410K	520 lines	0.5Lux	O	X	X	O	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C533HM	x27	x2	EX View 1/4	410K	520 lines	0.005Lux	O	O (Dual)	O	O	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C553HM	x27	x2	EX View 1/4	410K	520 lines	0.005Lux	O	O (Dual)	O	O	8pin Modular	RS485	Internal	DC12V
LVC-C300HM	x27	x10	Super 1/4	410K	480 lines	1Lux	X	X	X	X	6Pin Din	PTZ	Internal	DC12V
LVC-C303HM	x27	x10	Super 1/4	410K	480 lines	0.01Lux	X	O	O	X	6Pin Din	PTZ	Internal	DC12V
LVC-C310HM	x27	x10	Super 1/4	410K	480 lines	0.5Lux	O	X	X	X	6Pin Din	PTZ	Internal	DC12V
LVC-C313HM	x27	x10	Super 1/4	410K	480 lines	0.005Lux	O	O	O	X	6Pin Din	PTZ	Internal	DC12V
LVC-C320HM	x27	x10	Super 1/4	410K	480 lines	1Lux	X	X	X	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C323HM	x27	x10	Super 1/4	410K	480 lines	0.01Lux	X	O	O	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C330HM	x27	x10	Super 1/4	410K	480 lines	0.5Lux	O	X	X	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C333HM	x27	x10	Super 1/4	410K	480 lines	0.005Lux	O	O	O	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C353HM	x27	x10	Super 1/4	410K	480 lines	0.005Lux	O	O	O	X	8pin Modular	RS485	Internal	DC12V
LVC-A901HM	x22	x10	Super 1/4	410K	480 lines	0.01Lux	X	X	O	X	6Pin Din	PTZ	Internal	DC12V
LVC-A910HM	x22	x10	Super 1/4	410K	480 lines	1Lux	X	X	X	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-A913HM	x22	x10	Super 1/4	410K	480 lines	0.01Lux	X	O	O	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-A700HM	x16	x8	Super 1/4	410K	480 lines	1Lux	X	X	X	X	8pin Modular	PTZ & RS422	Internal	DC12V
LVC-A701HM	x16	x8	Super 1/4	410K	480 lines	1Lux	X	X	X	X	8pin Modular	PTZ & RS422	Line Lock	AC24V
LVC-A730HM	x16	x8	Super 1/4	410K	480 lines	1Lux	X	X	X	X	6Pin Din	PTZ or RS232C or RS422	Internal	DC12V

Zoom Complete Camera

Comparison Chart by Model(PAL)

Spec / Model	Optical Zoom	Digital Zoom	CCD	Total Pixels	Resolution	Min. illumination	Day& Night	WDR	DSS	Privacy Zone	Connector Type	Camera Control	Sync	Voltage
LVC-C500HP	x27	X12	Super 1/4	470K	520 Lines	1Lux	X	X	X	O	6Pin Din	PTZ	Internal	DC12V
LVC-C503HP	x27	x2	EX View 1/4	470K	520 Lines	0.01Lux	X	O (Dual)	O	O	6Pin Din	PTZ	Internal	DC12V
LVC-C510HP	x27	X12	Super 1/4	470K	520 Lines	0.5Lux	O	X	X	O	6Pin Din	PTZ	Internal	DC12V
LVC-C513HP	x27	x2	EX View 1/4	470K	520 Lines	0.005Lux	O	O (Dual)	O	O	6Pin Din	PTZ	Internal	DC12V
LVC-C530HP	x27	X12	Super 1/4	470K	520 Lines	0.5Lux	O	X	X	O	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C533HP	x27	x2	EX View 1/4	470K	520 Lines	0.005Lux	O	O (Dual)	O	O	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C553HP	x27	x2	EX View 1/4	470K	520 Lines	0.005Lux	O	O (Dual)	O	O	8pin Modular	RS485	Internal	DC12V
LVC-C300HP	x27	x10	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	6Pin Din	PTZ	Internal	DC12V
LVC-C303HP	x27	x10	Super 1/4	470K	480 Lines	0.01Lux	X	O	O	X	6Pin Din	PTZ	Internal	DC12V
LVC-C310HP	x27	x10	Super 1/4	470K	480 Lines	0.05Lux	O	X	X	X	6Pin Din	PTZ	Internal	DC12V
LVC-C313HP	x27	x10	Super 1/4	470K	480 Lines	0.005Lux	O	O	O	X	6Pin Din	PTZ	Internal	DC12V
LVC-C320HP	x27	x10	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C323HP	x27	x10	Super 1/4	470K	480 Lines	0.01Lux	X	O	O	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C330HP	x27	x10	Super 1/4	470K	480 Lines	0.05Lux	O	X	X	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C333HP	x27	x10	Super 1/4	470K	480 Lines	0.005Lux	O	O	O	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C353HP	x27	x10	Super 1/4	470K	480 Lines	0.005Lux	O	O	O	X	8pin Modular	RS485	Internal	DC12V
LVC-A901HP	x22	x10	Super 1/4	470K	480 Lines	0.01Lux	X	X	O	X	6Pin Din	PTZ	Internal	DC12V
LVC-A910HP	x22	x10	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-A913HP	x22	x10	Super 1/4	470K	480 Lines	0.01Lux	X	O	O	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-A700HP	x16	x8	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	8pin Modular	PTZ & RS422	Internal	DC12V
LVC-A701HP	x16	x8	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	8pin Modular	PTZ & RS422	Line Lock	AC24V
LVC-A730HP	x16	x8	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	6Pin Din	PTZ or RS232C or RS422	Internal	DC12V

x27 D&N Camera

LVC-C513HM (NTSC)
LVC-C513HP (PAL)

Feature

- Built-in x27 zoom lens
- 1/4" 410K/470K pixels EX View CCD
- 520 TV lines of horizontal resolution
- Day and Night Function (IR Cut Filter)
- Digital Slow Shutter
- Wide Dynamic Range (Dual Shutter)
- Privcay Zone Masking (8 zones)
- Min.illumination of 0.005 lux at night mode
- Motion Detection
- On Screen Display
- Freezer, Mirror, V Flip, Image Rotation

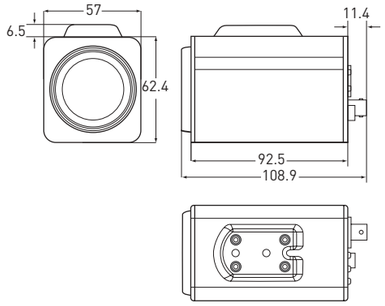
DSS Privacy Zone 520TV Lines

Specifications

Model		LVC-C513HM	LVC-C513HP
Signal System		NTSC	PAL
Total Pixels No.		811(H)x508(V)410	795(H)x596(V)470K
Image Device		1/4" EX View HAD CCD	
Lens		x27 Zoom (F1.5(W), F3.6(T) f=3.25~88.0mm)	
Min.Shooting Distance		WIDE(0.01m),TELE(1.0m)	
Sync System		Internal	
Scanning Frequency(H)		15.743 KHz	15.625 KHz
Scanning Frequency(V)		59.94 KHz	50 KHz
S/N Ratio		More Than 52dB	
Minimum Illumination		Color Mode :1 Lux B/W Mode : 0 Lux (IR On) / 0.005 Lux (IR Off)	
Horizontal Resolution		520 TV Lines	
Video Output		Composite Video Output (1Vp-p 75 Ω Terminated), Y/C Separated	
Camera Control		Zoom / Focus DC Control (PTZ)	
Pan/Tilt Function	Privacy Zone Masking	8 Zones	
	Image Capture	1 Field Image Freezer, Image Rotation, Flip, Mirror	
	Zoom Speed Level	Slow / Middle / Quick	
	Zoom / Focus Preset	128 Position Set / Move (Store with Internal EEPROM)	
	Camera ID	Off, 0-255 (Total 256)	
	Focus mode	Push Auto / Auto / Manual	
	White Balance	Auto(ATW) / Indoor / Outdoor / Manual / Push Auto	
	AE Mode	Auto / Iris Manual / AGC Manual / DSS Manual	
	Motion Detect	On/Off (Level Sensitivity :0-150[16 steps])	
	Electronic Shutter	1/60 to 1/50,000	1/50 to 1/50,000
	Flickerless Mode	Manual On / Off	
	Iris Control	Auto / Manual	
	AGC Control	Auto / Manual	
	Electronic Sensitivity	Auto : x2, x3, x4,..., x20	
	Wide Dynamic Range (BLC)	On / Auto / Off / WDR	
Operation Temp. / Humidity		-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity		-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Power Source		DC 12V	
Power Consumption		Max 5.1W	
Dimension(WxHxD)		57 x 62 x 98mm	
Weight		480g	

Rear View

Dimension (unit : mm)



x27 D&N Camera

LVC-C313HM (NTSC)
LVC-C313HP (PAL)

Feature

- Built-in x27 zoom lens
- 1/4" 410K/470K pixels Super HAD CCD
- 480 TV lines of horizontal resolution
- Day and Night Function (IR Cut Filter)
- Digital Slow Shutter
- Wide Dynamic Range (Dual AGC)
- Min.illumination of 0.005 lux at night mode
- Motion Detection
- On Screen Display
- Sharpness, Mirror

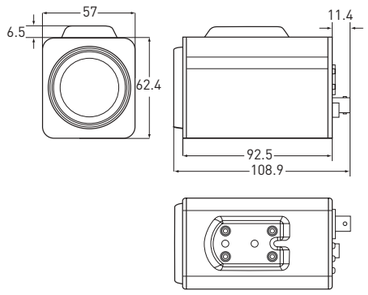
DSS Privacy Zone

Specifications

Model		LVC-C313HM	LVC-C313HP
Signal System		NTSC	PAL
Total Pixels No.		811(H)x508(V)410K	795(H)x596(V)470K
Image Device		1/4" Super HAD CCD	
Lens		x27 Zoom (F1.5(W), F3.6(T) f=3.25~88.0mm)	
Min.Shooting Distance		WIDE(0.01m),TELE(1.0m)	
Sync System		Internal	
Scanning Frequency(H)		15.743 KHz	15.625 KHz
Scanning Frequency(V)		59.94 KHz	50 KHz
S/N Ratio		More Than 52dB	
Minimum Illumination		Color Mode :1 Lux B/W Mode : 0 Lux (IR On) / 0.005 Lux (IR Off)	
Horizontal Resolution		480 TV Lines	
Video Output		Composite Video Output (1Vp-p 75 Ω Terminated), Y/C Separated	
Camera Control		Zoom / Focus DC Control (PTZ)	
Pan/Tilt Function	Zoom Speed Level	Slow / Middle / Quick	
	Zoom / Focus Preset	64 Position Set / Move (Store with Internal EEPROM)	
	Camera ID	Off, 0-255 (Total 256)	
	Focus mode	Push Auto / Auto / Manual	
	White Balance	Auto / Special / Indoor / Outdoor / Manual / Push Auto	
	AE Mode	Auto / Iris Manual / AGC Manual / Manual	
	Motion Detect	On/Off (Level Sensitivity :0-150[16 steps])	
	Electronic Shutter	1/60 to 1/50,000	1/50 to 1/50,000
	Flickerless Mode	Manual On / Off	
	Iris Control	Auto / Manual	
	AGC Control	Auto / Manual	
	Electronic Sensitivity	Auto : x2, x3, x4,..., x20	
	Wide Dynamic Range	On / Auto / Off	
Operation Temp. / Humidity		-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity		-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Power Source		DC 12V	
Power Consumption		Max 5.4W	
Dimension(WxHxD)		57 x 62 x 98mm	
Weight		480g	

Rear View

Dimension (unit : mm)



x22 Zoom Camera

LVC-A913HM (NTSC)
LVC-A913HP (PAL)

Feature

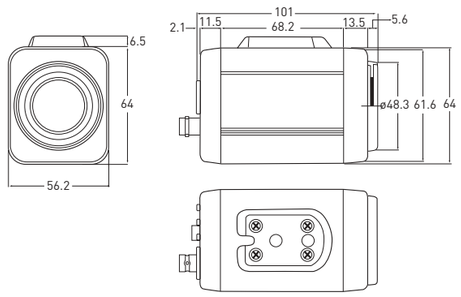
- Built-in x22 zoom lens
- 1/4" 410K/470K pixels Super HAD CCD
- 480 TV lines of horizontal resolution
- Digital Slow Shutter
- Wide Dynamic Range (Dual AGC)
- Min.illumination of 0.01 lux DSS mode
- Motion Detection
- On Screen Display
- Sharpness, Mirror

Specifications

Model	LVC-A913HM	LVC-A913HP
Signal System	NTSC	PAL
Total Pixels No.	811(H)x508(V)410K	795(H)x596(V)470K
Image Device	1/4" Super HAD CCD	
Lens	x22 Zoom (F1.6 f=3.9~85.8mm)	
Min.Shooting Distance	WIDE(0.01m),TELE(1.0m)	
Sync System	Internal	
Scanning Frequency(H)	15.743 KHz	15.625 KHz
Scanning Frequency(V)	59.94 KHz	50 KHz
S/N Ratio	More Than 52dB	
Minimum Illumination	Normal Mode :1 Lux Digital Slow Shutter : 0.01 Lux	
Horizontal Resolution	480 TV Lines	
Video Output	Composite Video Output (1Vp-p 75Ω Terminated), Y/C Separated	
Camera Control	PTZ Control / RS232C	
Pan/Tilt Function: Zoom Speed Level	3 Sec Mode	
Pan/Tilt Function: Camera ID	Off, 0-255 (Total 256)	
Pan/Tilt Function: Focus mode	Push Auto / Auto / Manual	
Pan/Tilt Function: White Balance	Auto / Special / Indoor / Outdoor / Manual / Push Auto	
Pan/Tilt Function: AE Mode	Auto / Iris Manual / AGC Manual / Manual	
Pan/Tilt Function: Motion Detect	On/Off (Level Sensitivity :0-150[16 steps])	
Pan/Tilt Function: Electronic Shutter	1/60 to 1/50,000	1/50 to 1/50,000
Pan/Tilt Function: Flickerless Mode	On / Off	
Pan/Tilt Function: Iris Control	Auto / Manual	
Pan/Tilt Function: AGC Control	Auto / Manual	
Pan/Tilt Function: Electronic Sensitivity	Auto : x2, x4, x6, x10, x16, x32	
Pan/Tilt Function: Wide Dynamic Range	On / Auto / Off	
Pan/Tilt Function: Back Light Control	On / Off	
Pan/Tilt Function: Negative / Positive	Negative On / Off	
Operation Temp. / Humidity	-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity	-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Power Source	DC 12V	
Power Consumption	5W	
Dimension(WxHxD)	56 x 64 x 101mm	
Weight	388g	

Rear View

Dimension (unit : mm)



x16 Zoom Camera

LVC-A730HM (NTSC)
LVC-A730HP (PAL)

Feature

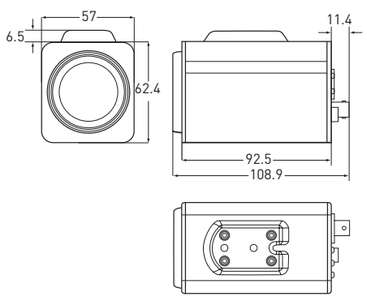
- Built-in x16 zoom lens
- 1/4" 410K/470K pixels Super HAD CCD
- 480 TV lines of horizontal resolution
- Min.illumination of 1 lux
- Motion Detection
- On Screen Display
- Sharpness, Mirror

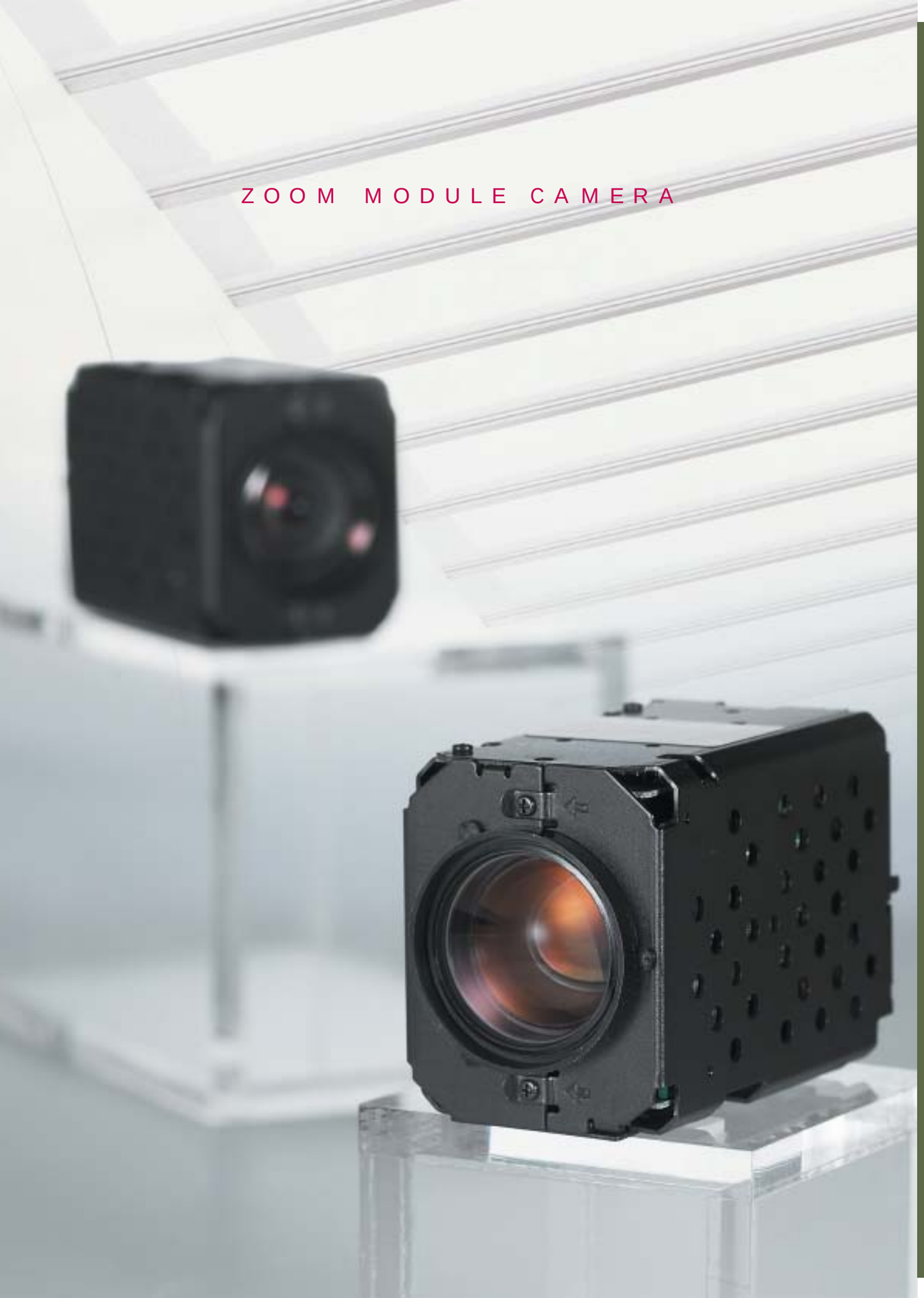
Specifications

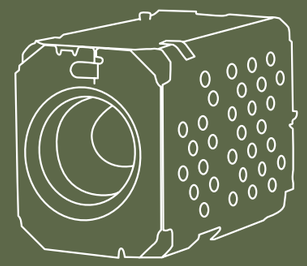
Model	LVC-A730HM	LVC-A730HP
Signal System	NTSC	PAL
Total Pixels No.	811(H)x508(V)410K	795(H)x596(V)470K
Image Device	1/4" Super HAD CCD	
Lens	x16 Zoom (F1.6 f=3.9~63mm)	
Min.Shooting Distance	WIDE(0.01m),TELE(1.0m)	
Sync System	Internal	
Scanning Frequency(H)	15.743 KHz	15.625 KHz
Scanning Frequency(V)	59.94 KHz	50 KHz
S/N Ratio	More Than 52dB	
Min.Illumination	1 Lux	
Horizontal Resolution	480 TV Lines	
Video Output	Composite Video Output (1Vp-p 75Ω Terminated), Y/C Separated	
Camera Control	PTZ Control / RS232C / RS422	
Pan/Tilt Function: Zoom Speed Level	3 Sec Mode	
Pan/Tilt Function: Camera ID	Off, 0-255 (Total 256)	
Pan/Tilt Function: Focus mode	Push Auto / Auto / Manual	
Pan/Tilt Function: White Balance	Auto / Special / Indoor / Outdoor / Manual / Push Auto	
Pan/Tilt Function: AE Mode	Auto / Iris Manual / AGC Manual / Manual	
Pan/Tilt Function: Motion Detect	On/Off (Level Sensitivity :0-150[16 steps])	
Pan/Tilt Function: Electronic Shutter	1/60 to 1/10,000	1/50 to 1/10,000
Pan/Tilt Function: Flickerless Mode	On / Off	
Pan/Tilt Function: Iris Control	Auto / Manual	
Pan/Tilt Function: AGC Control	Auto / Manual	
Pan/Tilt Function: Electronic Sensitivity	On / Off	
Pan/Tilt Function: Back Light Control	On / Off	
Negative / Positive	Negative On / Off	
Operation Temp. / Humidity	-10 ºC ~ 50 ºC / 0%RH ~ 80%RH	
Storage Temp. / Humidity	-20 ºC ~ 60 ºC / 0%RH ~ 85%RH	
Power Source	DC 12V	
Power Consumption	4.7W	
Dimension(WxHxD)	59 x 61 x 101mm	
Weight	345g	

Rear View

Dimension (unit : mm)

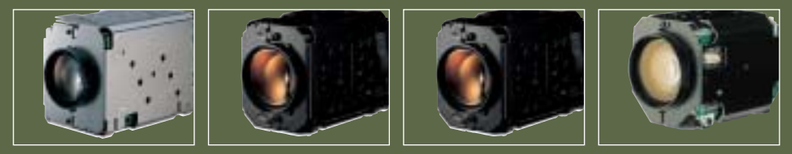






Zoom Module Camera

Progressive Scan Camera LVC-MP100 **41**
x27 D&N Camera LVC-M513HM (NTSC) I LVC-M513HP (PAL) **42**
x27 D&N Camera LVC-M313HM (NTSC) I LVC-M313HP (PAL) **43**
x16 Zoom Camera LVC-A800HM (NTSC) I LVC-A800HP (PAL) **44**



Zoom Module Camera

Comparison Chart by Model(NTSC)

Spec / Model	Optical Zoom	Digital Zoom	CCD	Total Pixels	Resolution	Min. illumination	Day and Night	WDR	DSS	Privacy Zone	Connector Type	Camera Control	Sync	Voltage
(NTSC)														
LVC-M500HM	x27	X12	Super 1/4	410K	520 Lines	1Lux	X	X	X	O	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M503HM	x27	x2	EX View1/4	410K	520 Lines	0.01Lux	X	O (Dual)	O	O	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M510HM	x27	X12	Super 1/4	410K	520 Lines	0.5Lux	O	X	X	O	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M513HM	x27	x2	EX View1/4	410K	520 Lines	0.005Lux	O	O (Dual)	O	O	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M300HM	x27	x10	Super 1/4	410K	480 Lines	1Lux	X	X	X	X	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M303HM	x27	x10	Super 1/4	410K	480 Lines	0.01Lux	X	O	O	X	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M310HM	x27	x10	Super 1/4	410K	480 Lines	0.5Lux	O	X	X	X	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M313HM	x27	x10	Super 1/4	410K	480 Lines	0.005Lux	O	O	O	X	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-A640HM	X16	X8	Super 1/4	410K	480 Lines	1Lux	X	X	X	X	10Pin Harness	PTZ & RS232C(TTL) , RS422(OPTION)	Internal/External	DC12V
LVC-A800HM	X16	X8	Super 1/4	410K	480 Lines	1Lux	X	X	X	X	9Pin FFC	RS232C(TTL)	Internal/External	DC12V

Spec / Model	Optical Zoom	Digital Zoom	CCD	Total Pixels	Resolution	Min. illumination	Day and Night	WDR	DSS	Privacy Zone	Connector Type	Camera Control	Sync	Voltage
(PAL)														
LVC-M500HP	x27	X12	Super 1/4	470K	520 Lines	1Lux	X	X	X	O	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M503HP	x27	x2	EX View1/4	470K	520 Lines	0.01Lux	X	O (Dual)	O	O	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M510HP	x27	X12	Super 1/4	470K	520 Lines	0.5Lux	O	X	X	O	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M513HP	x27	x2	EX View1/4	470K	520 Lines	0.005Lux	O	O (Dual)	O	O	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M300HP	x27	x10	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M303HP	x27	x10	Super 1/4	470K	480 Lines	0.01Lux	X	O	O	X	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M310HP	x27	x10	Super 1/4	470K	480 Lines	0.5Lux	O	X	X	X	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-M313HP	x27	x10	Super 1/4	470K	480 Lines	0.005Lux	O	O	O	X	9Pin FFC	RS232C(TTL)	Internal/External	DC12V
LVC-A640HP	X16	X8	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	10Pin Harness	PTZ & RS232C(TTL) RS422(OPTION)	Internal/External	DC12V
LVC-A800HP	X16	X8	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	9Pin FFC	RS232C(TTL)	Internal/External	DC12V

Progressive Scan Camera (Visual Presenter)

LVC-MP100

Feature

- 1/3" progressive scan RGB primary color ccd camera
- Built-in X16 zoom lens(X10 Digital Zoom)
- Variable Proressive scan output (XGA,SVGA,VGA)
- RGB/S-VIDEO/COMPOSITE VIDEO OUTPUTS
- 25 full frames RGB video output per second
- Digital interface usb(2.0) and RS-232C ports.
- Camera control using Remote Controller and Mouse
- Image Max16(1024X768) save/recall
- Image Rotation (90º/180º/270º/360º)
- Divide image Full,Half,1/4,1/16,PIP
- 4 Mode Preset Save/Run
- Mirror, Flip, Edge, Embossing, Negative, Freeze, Text/Image Mode Color/BW, Image Shift, Drawing Rect./Free Line, OSD(English, Korean,Chinese)

Interface

1) 8pin Connector

No	Pin Name	Function
1	M_CLK	Mouse
2	M_DAT	Mouse
3	GND	
4	Lamp Select	
5	GND	
6	AD_Key1	AD_Key
7	AD_Key2	
8	AD_Key3	

2) 12pin Connector

No	Pin Name	Function
1	+12V	
2	+12V	
3	GND	
4	CVBS/C	
5	GND	
6	YOUT	
7	GND	
8	GND	
9	232C_Txd	RS232C
10	232C_Txd	
11	GND	
12	GND	

3) 14pin Connector

No	Pin Name	Function
1	B_OUT	VGA Out
2	GND	
3	G_OUT	
4	GND	
5	R_OUT	
6	GND	
7	VS_OUT	
8	HS_OUT	
9	C/S	Composite/S-video
10	NTSC/PAL	NTSC/PAL
11	VGA/TV	Monitor/TV
12	GND	
13	Input Select	
14	RMC	Remote Controller

4) Accessories

1) "8pin/12pin/14pin" Interface Cable

2) USB 2.0 Cable
(A-type & Mini B-type : 1,000mm)

Specifications

Model	LVC-MP100
Total Pixels No	1077(H) x788(V) 850K
Effective Pixels No	1034(H) x 779(V) 800K
Active Pixcels No.	1024(H) x 768(V) 790K
Pick-up Device	1/3" RGB primary color progressive CCD
Lens	X16 Zoom (F1.45 (W) ,F3.98(T) f =5.8 ~93.0 mm), Video AF
Signal Process	Digital Signal Process
Progressive Scan	Progressive 792 Lines Scan(Analog RGB Output)
Sync System	Internal
Progressive Resolution	More Than RGB 600 TV Lines
Horizontal Resolution	More Than 420 TV Lines
Optimal Illumination	1,500 ~ 2,000 Lux
Progressive Video Output	XGA (1024x768)/SVGA (800x600)/VGA (640x480)
Video Output Signal	1Vp-p Composite (75ohm) Terminated/S-Vedio
Minimum Shooting Distance	WIDE (0.01m), TELE (1.0m)
Zoom/Focus Preset	4 Mode Set / Run
USB	Win2000, XP,Win98, Windows ME XGA(1024X768) Mode : Max 10 Frame/sec Quarter(512X348) Mode : Max 25 Frame/sec BMP/JPG File Sav
Mouse Control	Left Button: Select, Right Button: Menu On/Off,Drawing
OSD(On Screen Display)	Function / Zoom MAG / Initial Title
OSD Language	English / Chinese / Korean
Camera Control	Mouse
Special Function	Initial Title : 17 Characters and Logo Brightness : 0 ~ 255 Mode : Image/Text Mirror : ON / OFF (Left/Right) Flip : ON / OFF (Top/Bottom) Color : ON / OFF Negative : ON / OFF Edge : ON / OFF Embossing : ON / OFF Rotation : 0º, 90º, 180º, 270º Shift : Max 0~512 Mouse Scrolling (Half Display Only) Image Display : Full / Half / PIP / 2x2(4pages) / 4x4 Memory Control : Image Save / Recall (Max 16 image)
Shutter Speed	1/ 25(Progressive), 1/60(NTSC), 1/50(PAL)
Digital Zoom Ratio	Basic X 10 (Total Zoom Ratio X160)
Power Source	DC 12 ±2 V
Power Consumption	Max 8.4 W
Operation Temperature	-10ºC ~ 50ºC , 0 % RH ~ 60 % RH D32
Weight	287.5gr
Dimension(H x V x D	54.6 x 65.6 x 94.6mm

x27 D&N Camera

LVC-M513HM (NTSC)
LVC-M513HP (PAL)

Feature

- Built-in x27 zoom lens
- Day and Night function (IR Cut Filter)
- Digital Slow Shutter
- Wide Dynamic Range (Dual shutter)
- 8 Area active programmable privacy zone masking
- Min. illumination of 0 lux at night mode (IR ON)
- 520 TV lines of horizontal resolution
- Motion Detection, Auto Focus, Auto Iris
- Five alternative White Balance control mode
- Freezer, Mirror, V flip, Image Rotation

Specifications

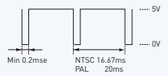
Model	LVC-M513HM	LVC-M513HP
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625 KHz
Scanning Frequency(V)	59.94 KHz	50 KHz
Pick-up Device	1/4" EX View HAD CCD	
Total Pixels No.	811(H)x508(V) 410K	795(H)x596(V) 470K
Effective Pixels No.	768(H)x494(V) 380K	752(H)x582(V) 440K
S/N Ratio	More Than 50dB	
Horizontal Resolution	More Than 520 TV Lines	
Lens	x27 Zoom (F1.5(W), F3.6(T) f=3.25~88.0mm)	
Min. Shooting Distance	WIDE(0.01m), TELE(1.0m)	
Privacy Zones	8 Area Active Programmable Zone	
Image Capture	1 Field Image Freezer, Image Rotation, Flip, Mirror	
Min. Illumination	Normal Mode : 1 Lux(1/3 Video Ouput) Digital Slow Shutter : 0.01 Lux(20Field Accumulate) Night Mode : 0 Lux(Infrared on) / 0.005 Lux(Infrared off)	
OSD (On Screen Display)	English only, English/Chinese	
Sync System	Internal / VD Lock, Auto detect	
Video Output	Composite Video Output(1Vp-p 75Ω Terminated)	
Camera Control	RS232C(TTL Level)	
Zoom Speed	5 Sec Mode / 7 Sec Mode / 9 Sec Mode	
Zoom / Focus Preset	128 Position Set / Move (Store with Internal EEPROM)	
Camera ID	Off, 0-255(Total 256)	
Focus mode	Push Auto/Auto/Manual	
White Balance	Auto(ATW)/Indoor/Outdoor/Manual/Push Auto	
AE Mode	Auto/Iris Manual/AGC Manual/ DSS Manual	
Motion Detect	On/Off (Level Sensitivity : 0-15(16 steps))	
E.Shutter	1/60 to 1/50000	1/50 to 1/50000
Flickerless Mode	Manual On/Off	
Iris Control	Auto/Manual	
AGC Control	Auto/Manual	
Electronic Sensitivity	Auto: x2,x3,x4,...x20 Fix :x2,x3,x4,...x20	
Wide Dynamic Range	On/Auto/Off	
Operation Temperature	-10°C ~ 50°C	
Operation Humidity	0%RH~60%RH	
Storage Temperature	-20°C ~ 60°C	
Supplied Voltage	DC 12V	
Power Consumption	Max 5.1W	
Dimension(WxHxD)	48.9x57.6x86mm	
Weight	242g	

Interface

1) Connecting Condition
[9 Pin FFC Connector ; Maker Elco 1.0mm Pitch , Upper Contact]

	CN8U1	
1	ALARM OUT	→ Motion Detection Out
2	LINE IN	← External VD Input
3	GND	— Pair GND with Video Output
4	VIDEO OUT	→ Composite Video Output [1Vp-p 75Ω Terminated]
5	GND	— Pair GND with DC Input
6	DC IN	← Power Supply Input 12V
7	GND	— Pair GND with RS-232C
8	TxD	→ For RS-232C [TTL Level]
9	RxD	← For RS-232C [TTL Level]

2) Line In Pulse Condition.



3) Alarm Out Pulse Condition.

4) Accessory
: 9 Pin Flat Cable (120mm)

x27 D&N Camera

LVC-M313HM (NTSC)
LVC-M313HP (PAL)

Feature

- Built-in x27 zoom lens, x10 digital zoom
- Day and Night function (IR Cut Filter)
- Digital Slow Shutter
- Wide Dynamic Range (Dual AGC)
- Min. illumination of 0 lux at night mode (IR ON)
- 480 TV lines of horizontal resolution
- Motion Detection, Auto Focus, Auto Iris
- Six alternative White Balance control mode
- Sharpness and Mirror

Specifications

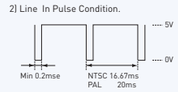
Model		LVC-M313HM	LVC-M313HP
Signal System		NTSC	PAL
Scanning System		2:1 Interlace	
Scanning Frequency(H)		15.734 KHz	15.625 KHz
Scanning Frequency(V)		59.94 KHz	50 KHz
Pick-up Device		1/4" Super HAD CCD	
Total Pixels No.		811(H)x508(V) 410K	795(H)x596(V) 470K
Effective Pixels No.		768(H)x494(V) 380K	752(H)x582(V) 440K
S/N Ratio		More Than 50dB	
Horizontal Resolution		More Than 480 TV Lines	
Lens		x27 Zoom (F1.5(W), F3.6(T) f=3.25~88.0mm)	
Min. Shooting Distance		WIDE(0.01m), TELE(1.0m)	
Min. Illumination		Normal Mode : 1 Lux(1/3 Video Ouput) Digital Slow Shutter : 0.01 Lux(32Field Accumulate) Night Mode : 0 Lux(Infrared on) / 0.005Lux(Infrared off)	
OSD (On Screen Display)		English only, English/Chinese	
Digital Zoom Ratio		x10 (Total Zoom Ratio x270), x2~x10 Variable	
Sync System		Internal / VD Lock , Auto detect	
Video Output		Composite Video Output(1Vp-p 75Ω Terminated)	
Camera Control		RS232C(TTL Level)	
Zoom Speed		5 Sec Mode / 7 Sec Mode / 9 Sec Mode	
Zoom / Focus Preset		64 Position Set / Move (Store with Internal EEPROM)	
Function	Camera ID	Off, 0-255(Total 256)	
	Focus Mode	Push Auto/Auto/Manual	
	White Balance	Auto/Special/Indoor/Outdoor/Manual/Push Auto	
	AE Mode	Auto/Iris Manual/AGC Manual/Manual	
	Motion Detect	On/Off (Level Sensitivity : 0-15(16 steps))	
	OSD Display	Function/Motion/Camera ID/Zoom MAG/User Title/Initial Title	
	Electronic Sensitivity	Auto: x2,x3,x4,...x20 Fix :x2,x3,x4,...x20	
	Wide Dynamic Range	On/Auto/Off	
Operation Temperature		-10°C ~ 50°C	
Operation Humidity		0%RH~60%RH	
Storage Temperature		-20 °C ~ 60 °C, 0%RH~85%RH	
Supplied Voltage		DC12V	
Power Consumption		Max 5.4W	
Dimension(WxHxD)		48.9x57.6x86mm	
Weight		242g	

Interface

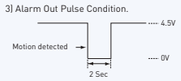
1) Connecting Condition
[9 Pin FFC Connector ; Maker Elco 1.0mm Pitch , Upper Contact]

	CN8U1	
1	ALARM OUT	→ Motion Detection Out
2	LINE IN	← External VD Input
3	GND	— Pair GND with Video Output
4	VIDEO OUT	→ Composite Video Output [1Vp-p 75Ω Terminated]
5	GND	— Pair GND with DC Input
6	DC IN	← Power Supply Input 12V
7	GND	— Pair GND with RS-232C
8	TxD	→ For RS-232C [TTL Level]
9	RxD	← For RS-232C [TTL Level]

2) Line In Pulse Condition.



3) Alarm Out Pulse Condition.



4) Accessory
: 9 Pin Flat Cable (120mm)

x16 Zoom Camera

LVC-A800HM (NTSC)
LVC-A800HP (PAL)

Feature

- Built-in x16 zoom lens, x8 digital zoom
- 480 TV lines of horizontal resolution
- Auto Focus, Auto Iris, Backlight Compensation
- Six alternative White Balance control mode
- Sharpness and Mirror

Specifications

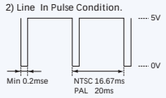
Model	LVC-A800HM	LVC-A800HP
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625 KHz
Scanning Frequency(V)	59.94 KHz	50 KHz
Pick-up Device	1/4" Super HAD CCD	
Total Pixels No.	811(H)x508(V) 410K	795(H)x596(V) 470K
Effective Pixels No.	768(H)x494(V) 380K	752(H)x582(V) 440K
S/N Ratio	More Than 50dB	
Horizontal Resolution	More Than 480 TV Lines	
Lens	x16 Zoom (F1.6 f=3.9mm~63mm)	
Min. Shooting Distance	WIDE(0.01m), TELE(1.0m)	
Min. Illumination	1 Lux(1/3 Video Output)	
OSD(On Screen Display)	English only, English/Chinese	
Digital Zoom Ratio	x8 (Total Zoom Ratio x128), x2~x8 Variable	
Sync System	Internal / VD Lock , Auto detect	
Video Output	Composite Video Output(1Vp-p 75Ω Terminated)	
Camera Control	RS232C(TTL)	
Zoom Speed	3 Sec	
Camera ID	0-255(Total 256)	
Focus Mode	Push Auto/Auto/Manual	
White Balance	Push Auto/Auto/Special/Indoor/Outdoor/Manual	
AE Mode	Auto/Iris Manual/AGC Manual/Manual	
Shutter Speed	1/60 ~1/10,000 Sec 8 Steps	1/50 ~1/10,000 Sec 8 Steps
Flickerless On	Off/On (1/100 Sec Shutter Set)	Off/On (1/120 Sec Shutter Set)
Back Light Control	On / Off	
Negative / Positive	Negative On / Off	
Operation Temperature	-10°C ~ 50°C	
Operation Humidity	0%RH~60%RH	
Storage Temperature	-20 °C ~ 60 °C, 0%RH~85%RH	
Supplied Voltage	DC12V	
Power Consumption	Max 4.3W	
Dimension(WxHxD)	50x53x81mm	
Weight	185g	

Interface

1) Connecting Condition
(9 Pin FFC Connector ; Maker Elco 1.0mm Pitch , Upper Contact)

CN7U2		
1	GND	→ Pair GND with Line in
2	LINE IN	← External VD Input
3	GND	→ Pair GND with Video Output
4	VIDEO OUT	→ Composite Video Output (1Vp-p 75Ω Terminated)
5	GND	→ Pair GND with DC Input
6	DC IN	← Power Supply Input 9V~15V
7	GND	→ Pair GND with RS 232C
8	TxD	→ For RS-232C (TTL Level)
9	RxD	← For RS-232C (TTL Level)

2) Line In Pulse Condition.



3) Accessory
: 9 Pin Flat Cable (120mm)

1/3” CS Mount Lens

CCTV Lens

CS2814D5 / CS4014D5 / CS5014D5
CS3012D5 / CS3514D5 / CS3514M5

CS2814D5

CS4014D5

CS5014D5

CS3012D5

CS3514D5

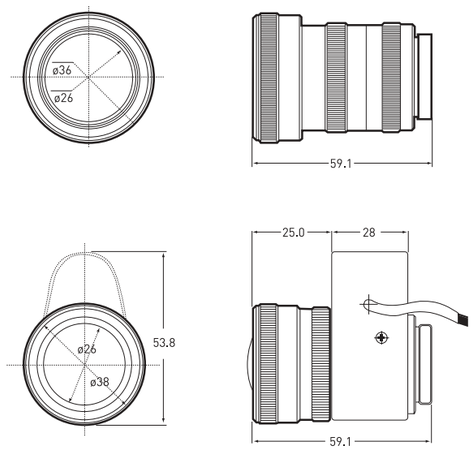
CS3514M5

Specifications

Model	CS2814D5	CS4014D5	CS5014D5
Image Format	1/3" CCD	1/3" CCD	1/3" CCD
Focal Length	2.8~10mm	4.0~16.0mm	5.0~50.0mm
Zoom Ratio	x3.6	x4	x10
F No.	1.4	1.4	1.4
Angle of View(Diagonal)	104'~36'	79.3'~22.2'	63.0'~6.9'
Iris	DC Iris	DC Iris	DC Iris
Dimension(LxWxH)	55x40x46mm	57.3x40x46mm	66.2x44.5x50.8
Weight	65g	67g	155g

Model	CS3012D5	CS3514D5	CS3514M5
Image Format	1/3" CCD	1/3" CCD	1/3" CCD
Focal Length	3.0~8.0mm	3.5~8.0mm	3.5~8mm
Zoom Ratio	x2.7	x2.3	x2.3
F No.	1.2	1.4	1.4
Angle of View(Diagonal)	100'~44'	97'~42'	97'~42'
Iris	IR Iris	DC Iris	Manual
Dimension(LxWxH)	55x40x46mm	57.3x40x46mm	66.2x44.5x50.8
Weight	65g	67g	155g

Dimension (unit : mm)



1/3” C Mount Lens

CCTV Lens

C4020F / C6020F / C8020F

C4020F (4mm)

Feature

- C mount
- Fixed-focus : 4.0mm
- Fixed iris

C6020F (6mm)

Feature

- C mount
- Fixed-focus : 6.0mm
- Fixed iris

C8020F (8mm)

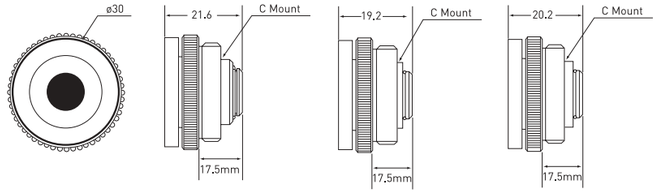
Feature

- C mount
- Fixed-focus : 8.0mm
- Fixed iris

Specifications

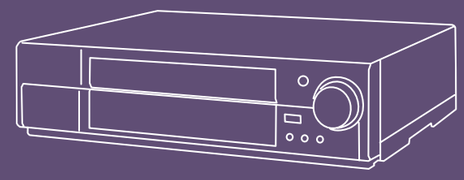
Model	C4020F	C6020F	C8020F
Image Format	1 /3” CCD	1 /3” CCD	1 /3” CCD
Focal Length	4.0mm	6.0mm	8.0mm
Mount (Flange Back)	C Mount (17.5mm)	C Mount (17.5mm)	C Mount (17.5mm)
F NO.	2.0	2.0	2.0
Angle of View (Diagonal)	81º	54º	38.6º
Min. Object Distance	10cm	10cm	10cm
Lens Construction	4Groups 4Elements	4Groups 4Elements	4Groups 4Elements
Iris	Fixed	Fixed	Fixed
Dimension (Dia x W)	ø30*21.6	ø30*19.2	ø30*20.2
Weight	24g	19g	25g

Dimension (unit : mm)



C4020F(f=4mm) C6020F(f=6mm) C8020F(f=8mm)

RECORDING SYSTEM



Recording System

Stand Alone DVR LDV-S504 (16 channel) **50**
Stand Alone DVR LDV-S503 (9 channel) **51**
Stand Alone DVR LDV-S404 (16 channel) **52**
Stand Alone DVR LDV-S802 (4 channel) **53**
Digital Video Recorder(PC-Based) LDV-P314 (16 channel) **54**
Time Lapse VCR TL-AT130M (NTSC) I TL-AT130P (PAL) **55**
Time Lapse VCR LV-TL1960M (NTSC) I LV-TL1960P (PAL) **56**

16Ch Stand Alone DVR

LDV-S504 (16 channel)

Feature

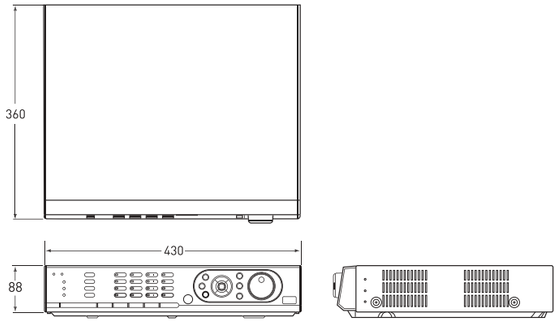
- Small File Sizes by MPEG-4 Compression
- Various Recording resolution
  (704x480, 704x240, 352x240)
- Up to 480IPS@352 X 240 Recording
- Up to 2TB Internal Storage
  (Expandable if new high capacity HDD is launched)
- Default USB Mouse, IR Remote Controller
- User-Friendly GUI
- 8 Audio Channels
- Three USB 2.0 Port
- Various Monitor Output
- Stable Embedded Linux Operating System
- File System Recovery of HDD after
  power recovery by Journaling File System
- Multi-Languages Selectable
- Alarm Notification by e-Mail
- Pre-Alarm Recording
- Time and Date Sync from NTP Server
- Setup Configuration Export/Import
- Easy System S/W Update with USB Memory Stick and Network
- Multiplex (Simultaneous Live display, Recording, Search, Network, Back-up)
- Image Rate & Quality Adjustment per Individual Camera
- Fan Failure Monitoring
- Temperatutre Monitoring
- Various Search Function (Smart Search, Bookmark Search, Event Search, Date/Time Search)
- Various Playback Mode (PIP, POP)
- Daylight Saving Mode

Rear View

Specifications

Model			LDV-S504
Video	Input		16
	Output	Loop Through	16
		Composite	1
		S-Video	1
		VGA	1
		Spot	1
Audio	Input		8
	Output		1
Alarm	Input		16
	Output		8
	Pre-Alarm Recording		Up to 60 sec
Recording	Image Rate (/Sec)	NTSC	Up to 480 IPS @ 352x240
			Up to 240 IPS @ 704x240
			Up to 120 IPS @ 704x480
		PAL	Up to 400 IPS @ 352x288
			Up to 200 IPS @ 704x288
			Up to 100 IPS @ 704x576
Search	Playback Function		FF, FB, Frame Advance Go to First, Go to Last
	Search Mode		Date/Time, Event (Motion, Alarm) Back-up, Smart
Display	Image Rate (/Sec)	NTSC	480 IPS (Real time per each channel)
		PAL	400 IPS (Real time per each channel)
	Division Mode		1, 4, 9, 16, 1+5, 1+7 PIP(1Channel), POP(Multi)
Internal HDD	Max Capacity		2TB (Up to 4 HDDs)
Backup	Backup Interface		USB 2.0, x3 Network
	Supportable Devices		Memory Stick CD-RW, DVD-RW, HDD
Serial I/F	PTZ Control Interface		RS-485/ RS-422, x2
	Serial Interface		RS-232C, x2 (D-SUB9)
Network	Network Connection		Ethernet 10/100M (RJ-45)
	Network Transmittion Speed		Up to120 IPS @ 352x240
	Bandwidth Control		Yes
Security	Password Protection		Yes
	Image Authentication		Yes
Power			AC Free 100~240V, 50/60Hz
Dimension (WxDxH mm)			430 x 360 x 88
Weight			6Kg
Operation Temp. / Humidity			0 ºC ~ 40 ºC / 0%RH ~ 80%RH

Dimension (unit : mm)



9Ch Stand Alone DVR

LDV-S503 (9 channel)

Feature

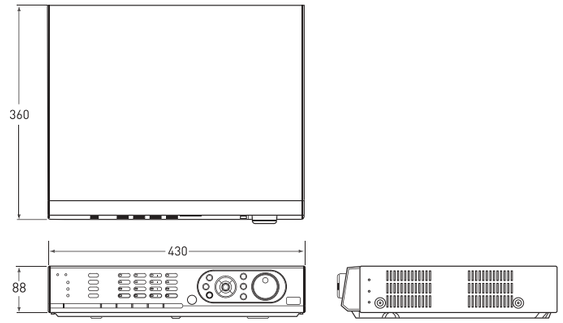
- Small File Sizes by MPEG-4 Compression
- Various Recording resolution
  (704x480, 704x240, 352x240)
- Up to 270IPS@352 X 240 Recording
- Up to 2TB Internal Storage
  (Expandable if new high capacity HDD is launched)
- Default USB Mouse, IR Remote Controller
- User-Friendly GUI
- 4 Audio Channels
- Three USB 2.0 Port
- Various Monitor Output
- Stable Embedded Linux Operating System
- File System Recovery of HDD after
  power recovery by Journaling File System
- Multi-Languages Selectable
- Alarm Notification by e-Mail
- Pre-Alarm Recording
- Time and Date Sync from NTP Server
- Setup Configuration Export/Import
- Easy System S/W Update with USB Memory Stick and Network
- Multiplex (Simultaneous Live display, Recording, Search, Network, Back-up)
- Image Rate & Quality Adjustment per Individual Camera
- Fan Failure Monitoring
- Temperatutre Monitoring
- Various Search Function (Smart Search, Bookmark Search, Event Search, Date/Time Search)
- Various Playback Mode (PIP, POP)
- Daylight Saving Mode

Rear View

Specifications

Model			LDV-S503
Video	Input		9
	Output	Loop Through	9
		Composite	1
		S-Video	1
		VGA	1
		Spot	1
Audio	Input		4
	Output		1
Alarm	Input		8
	Output		4
	Pre-Alarm Recording		Up to 60 sec
Recording	Image Rate (/Sec)	NTSC	Up to 270 IPS @ 352x240
			Up to 130 IPS @ 704x240
			Up to 60 IPS @ 704x480
		PAL	Up to 220 IPS @ 352x288
			Up to 110 IPS @ 704x288
			Up to 50 IPS @ 704x576
Search	Playback Function		FF, FB, Frame Advance Go to First, Go to Last
	Search Mode		Date/Time, Event (Motion, Alarm) Back-up, Smart
Display	Image Rate (/Sec)	NTSC	270 IPS (Real time per each channel)
		PAL	220 IPS (Real time per each channel)
	Division Mode		1, 4, 9, 16, 1+5, 1+7 PIP(1Channel), POP(Multi)
Internal HDD	Max Capacity		2TB (Up to 4 HDDs)
Backup	Backup Interface		USB 2.0, x3 Network
	Supportable Devices		Memory Stick CD-RW, DVD-RW, HDD
Serial I/F	PTZ Control Interface		RS-485/ RS-422, x2
	Serial Interface		RS-232C, x2 (D-SUB9)
Network	Network Connection		Ethernet 10/100M (RJ-45)
	Network Transmittion Speed		Up to120 IPS @ 352x240
	Bandwidth Control		Yes
Security	Password Protection		Yes
	Image Authentication		Yes
Power			AC Free 100~240V, 50/60Hz
Dimension (WxDxH mm)			430 x 360 x 88
Weight			6Kg
Operation Temp. / Humidity			0 ºC ~ 40 ºC / 0%RH ~ 80%RH

Dimension (unit : mm)



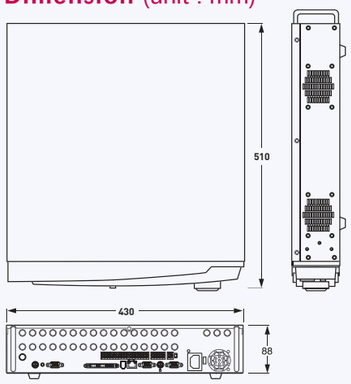
16Ch Stand Alone DVR

LDV-S404 (16 channel)

Feature

- MPEG-4 Compression
- Max 480IPS @352x240 Recording
- Various Recording Resolution
  [704x480 / 704x240 / 352x240]
- Triplex
- Max 1TB Internal HDD Capacity (Up to 4 HDDs)
- Built-in LG CD-R/RW and Optional DVD R-RW
- 1 USB 2.0 Port
- 8 Audio Channels
- 16 Alarm Inputs and 4 outputs
- Alarm Notification to E-mail and Remote PC
- User-Friendly GUI
- Default Mouse and IR Remote Controller
- System Update by USB Memory and Network
- Various Export Devices
  USB Memory Stick, Internal CD-R/RW,
  Internal DVD-R/RW(option), Network
- Various Backup Devices
  SCSI HDD, USB HDD, 1394 HDD
- Pre-Alarm
- Watch Dog

Dimension (unit : mm)



Specifications

Model			LDV-S404
Video	Video Format		NTSC/PAL (Selectable)
	Input		16 x Composite 1.0Vp-p, 75Ω BNC
	Output	Loop Through	16 x Composite 1.0Vp-p, 75Ω BNC
		Composite	1 x Composite 1.0Vp-p, 75Ω BNC
		S-Video	1 x S-Video Y: 1.0Vp-p, C: 0.286Vp-p
		VGA	1 x RGB, 15-pin D-sub
		Spot	3 x Composite 1.0Vp-p, 75Ω BNC
Audio	Input		8 x Mono
	Output		1 x Mono
Alarm	Input		16 (NC/NO, selectable)
	Output		4
	Alarm Notification to e-mail		Yes
Recording	Frame Rate (/Sec)	NTSC	Up to 480 IPS @ 352x240
			Up to 240 IPS @ 704x240
			Up to 120 IPS @ 704x480
		PAL	Up to 400 IPS @ 352x288
			Up to 200 IPS @ 704x288
			Up to 100 IPS @ 704x576
	Quality Level		4 Levels
	Recording Mode		Continuous, Alarm, Motion, Manual
	Pre-Event Recording Time		3 sec
Search	Search Mode		Date/Time, Calander
	Zoom and Movement		Yes
Display & User I/F	Frame Rate (/Sec)	NTSC	480 IPS (Real time per each channel)
		PAL	400 IPS (Real time per each channel)
	Division Mode		1, 4, 9, 16
	OSD	Language	En, Fr, Ger, It, Spa, Ch, Jp, Rus, kor, Tai
	User Interface		Front Panel, Jog/Shuttle, Mouse, IR Remote Controller
Storage	Interanl HDD	Max Capacity	1.6TB (Up to 4 HDDs)
	Backup/Export Device Interface		1 x SCSI,1 x USB 2.0,1 x IEEE1394, Network
	Backup Device		SCSI HDD, USB HDD, 1394 HDD
	Export Device		USB Memory Stick, Internal CD-R/RW, Internal DVD-R/RW (Option), Network
	Backup/Export Data Format		Native DVR Format, JPEG, AVI
Security	User Level Control		Yes
	Data Integrity Check (Watermark)		Yes
Remote Access	PTZ Control	Interface	1 x full-duplex RS-422
		Support Device	Well known PTZ Protocol
		Control Function	Pan, Tilt, Zoom, Focus, Preset, Tour
	Network Connection		Ethernet 10/100M, RJ-45 PSTN Modem, RS232C
	PC Client		Yes
	Web Client		Yes
General	Video Codec		MPEG4
	Audio Codec		G.726 (8KHz Mono)
	Power Source		AC 110~220V, 50/60Hz, selectable
	Dimension (WxDxH mm)		400 x 482 x 100
	Weight		10.5Kg
	Operation Temp. / Humidity		0 ºC ~ 40 ºC / 0%RH ~ 80%RH

Stand Alone DVR

LDV-S802 (4 channel)

New

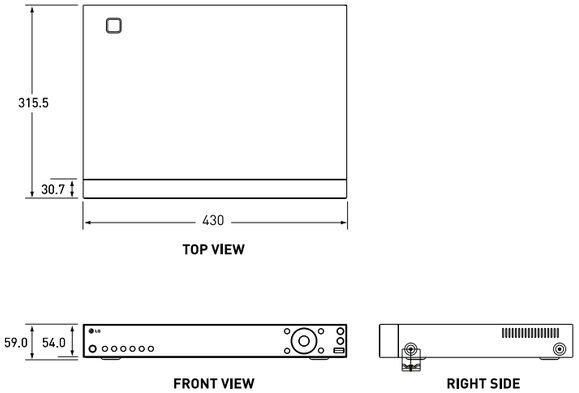
Feature

- Small File Sizes by MPEG-4 Compression
- Various Recording resolution
  (720x480, 720x240, 352x240)
- Up to 120IPS@352 X 240 Recording
- Up to 500GB Internal Storage
  (Expandable if new high capacity HDD is launched)
- Support PS2 Mouse, IR Remote Controller
- 4 Audio Channels
- One USB 2.0 Port
- Various Monitor Output
- RTOS Operating System
- Multi-Languages Selectable
- Alarm Notification by e-Mail
- Pre-Alarm Recording
- Easy System S/W Update with USB Memory Stick
- Multiplex (Simultaneous Live display, Recording, Search, Network, Back-up)
- Image Rate & Quality Adjustment per Individual Camera
- Various Search Function
  (Event Search, Date/Time Search)
- Daylight Saving Mode

Specifications

Model			LDV-S802
Video	Input		4
	Output	Loop Through	4
		Composite	1
		S-Video	1
		VGA	1
		Spot	1
Audio	Input		4
	Output		1
Alarm	Input		4
	Output		2
	Pre-Alarm Recording		Yes
Recording	Image Rate (/Sec)	NTSC	Up to 120 IPS @ 352x240
			Up to 60 IPS @ 720x240
			Up to 30 IPS @ 720x480
		PAL	Up to 100 IPS @ 352x288
			Up to 50 IPS @ 720x288
			Up to 25 IPS @ 720x576
Search	Playback Function		FF, FB, Frame Advance, 5Mins Skip
	Search Mode		Date/time,Event (Motion, Alarm) ,Go to First, Go to Last
Display	Image Rate (/Sec)	NTSC	120 IPS (Real time per each channel)
		PAL	100 IPS (Real time per each channel)
	Division Mode		1, 4 ,PIP (Quad-1,2,3, 3Way-1,2,3,2Way-1)
Internal HDD	Max Capacity		500GB (Up to 2 HDDs)
Backup	Backup Interface		USB 2.0 X 1 Network
	Supportable Devices		Memory Stick
PTZ	PTZ Control Interface		RS-422 x1
Network	Network Connection		Ethernet 10/100M (RJ-45)
	Network Transmittion Speed		120fps (CIF)
Security	Password Protection		Yes
Power			AC Free 110~240V, 50/60Hz
Dimension (WxDxH mm)			430x315.5x54
Operation Temp. / Humidity			0 ºC ~ 40 ºC / 0%RH ~ 80%RH

Dimension (unit : mm)



16Ch PC Based DVR

LDV-P314 (16 channel)

Feature

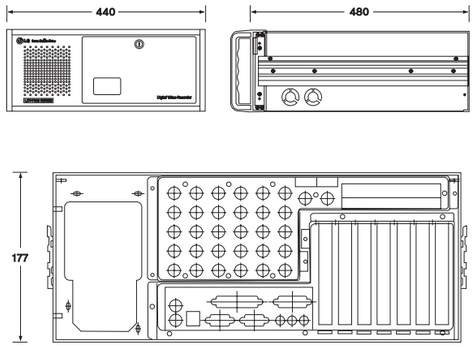
- Recording schedule by speed, camera and time
- Real time display 16 channel mode
- Adjustment image (brightness,contrast, saturation,hue)
- Various recording mode : continuous, event,schedule,intensive
- It simultaneously records and searches a channel with audio
- Voice Warning when motion or sensor are detected
- Automatically controls(On/Off) light and siren
- Pre-Alarm :1 Min.
- Motion detection : 5 regions /sensitivity adjustable
- Schedule, index, object and panorama search
- Image filtering and zooming function
- Remote control PTZ camera available
- Pan/Tilt interface : RS485 built-in
- Watermarking
- Up to 256 users defined
- Emergency Agent Software : image transmission in emergency
- Remote search and image transmission through PSTN, ISDN and LAN
- Up to 4 HDDs expandable
- Available remote control :Client View, Backup View,Watermark View,Web View
- Password protection

Rear View

Specifications

Model			LDV-P314
System	OS		Windows XP Embedded
	CPU		Cel D 320 (2.4GHz)
	Main Memory		PC2700 256MB DDR
	Hard Disk		120GB (Default)
	VGA		On Board
Video In /Out	Video Input Channel		16
	Video Loop Output		16
	Monitor Output		1 RCA
	VGA Output		1 D-SUB
Alarm	Sensor Input		16
	Control Output		16
Audio	Audio Input		4
	Audio Output		1
Other I/F	Network		RJ-45
	Pan /Tilt		RS-485 Built-in
Image	Signal Format		NTSC/PAL
	Compression		CUBIC (Applied MJPEG, MPEG)
	Compressed size		3~4 Kbytes Avg.
	Display Mode		1,4, 6, 7, 8, 9, 10, 13,16 Division
	Image Resolution		720x480 (720x576)
			720x240 (720x288)
			360x240 (360x288)
	Display Speed	NTSC	480 FPS
		PAL	400 FPS
	Recording Speed	NTSC	240 FPS@360x240
		PAL	200 FPS@360x288
	Recording Mode		Event Motion(alarm),continuous, Intensive,schedule(camera /data /time)
Software Feature	Remote Control		Remote View /Client /Backup, Watermark,Web Viewer
	Motion Detection		5 regions /channel Sensitivity adjustable
	Pre-alram recording		1 min.
	Search Mode		Index(sensor,motion),Panorama
	User level		Up to 256 users defined
Storage	HDD Quantity		Up to 4 HDDs expandable
	Backup		Built-in CD-RW, DVD-RAM(Option)
Network	Remote Connection		PSTN, ISDN and LAN
Dimension	(WxHxD)		440 x 177 x 480mm
Weight			
Operation Temp.(Humidity)			
Storage Temp.(Humidity)			

Dimension (unit : mm)



Time Lapse VCR

TL-AT130M (NTSC)
TL-AT130P (PAL)

Feature

- Dual Recording
  Time Lapse 6,18,30,72,96,120,168,240,480,960 Hours
  Real Time 30 Hours
- Quasi V.Sync : On/Off in menu
- Various kinds of recording features (Alarm REC, Series REC, Repeat REC, 1 shot REC and Timer REC)
- Multi OSD languages
- Alarm Index, Power off through function
- Move of the position of time
- RS-232C PC control (Optional)
- High speed rewind : 65 sec
- Back-up time : 30 days
- Remote controller (Optional)

Rear View

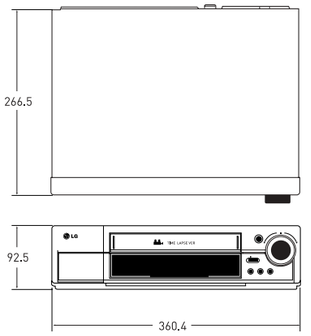
Specifications

Model	TL-AT130M	TL-AT130P
System	NTSC	PAL
Deck	D35 Deck (LG Product Deck)	
Drum	NTSC 4 CH	PAL 4 CH
Record Speed	6,18,30,72,96,120,168,240, 480,960 Hr on a T120 tape	6,18,30,72,96,120,168,240, 480,960 Hr on a E180 tape
Playback Speed	6,18,30,72,96,120,168,240,480,960	
	6,18,30 Hr with Audio Playback	
Video Head	D/A 4 Head (A:26/26,B:26/26)	D/A 4 Head (A:35/35,B:35/35)
Audio Head	Stationary	
F.E Head	Full Erase Head	
Program	8 events, Monday-Friday, Saturday-Sunday	
Back-Up	30 DAYS	
OSD Language	Eng, Fra, Ger, Ita, Spa, Pol, Jap	
Jog Shuttle	Yes	
Power off through	Yes	
High Speed Rewind	65 Sec	
RS232C PC Control	Option (D-SUB 9 pin)	
Monitor Out	Option (BNC Jack Type)	
Horizontal Resolution	More than 300 TV Lines (B/W)	More than 320 TV Lines (B/W)
	More than 280 TV Lines (Color)	More than 300 TV Lines (Color)
Operation Temperature	5ºC~35ºC	
Operation Humidity	35%RH~80%RH	
Supplied Voltage	AC 100V~240V, 50Hz/60Hz	
Power Consumption	15W	
Dimension (W x Hx D)	360.4 x 92.5 x 266.5mm	
Weight	3.8kg	

Series Model

Real Time 30 hours	TL-AR130M (NTSC) TL-AR130P (PAL)

Dimension (unit : mm)



Time Lapse VCR

LV-TL1960M (NTSC)
LV-TL1960P (PAL)

Feature

- 2/3,12,24,48,72,96,120,168,240, 480,960 Hours recording
- Quasi V.Sync : On/Off in menu
- Various kinds of recording features (Alarm REC, Series REC, Repeat REC, 1 shot REC and Timer REC)
- Multi OSD languages
- Alarm Index, Power off through function
- Move of the position of time
- RS-232C PC control (Optional)
- High speed rewind : 65 sec
- Back-up time : 30 days
- Remote controller (Optional)

Specifications

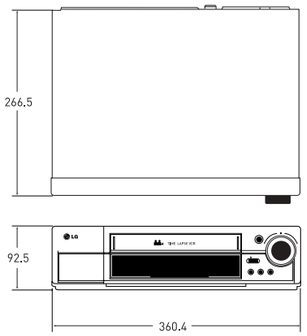
Model	LV-TL1960M	LV-TL1960P
System	NTSC	PAL
Deck	D35 Deck (LG Product Deck)	
Drum	NTSC 4 CH	PAL 4 CH
Record Speed	2,12,24,48,72,96,120,168, 240,480,960 Hr on a T120 tape	3,12,24,48,72,96,120,168, 240,480,960 Hr on a E180 tape
Playback Speed	2,12,24,48,72,96,120,168,240,480,960	3,12,24,48,72,96,120,168,240,480,960
	2,12,24 Hr with Audio Playback	3,12,24 Hr with Audio Playback
Video Head	D/A 4 Head (A:49/49,B:49/49)	
Audio Head	Stationary	
F.E Head	Full Erase Head	
Program	8 events, Monday-Friday, Saturday-Sunday	
Back-Up	30 DAYS	
OSD Language	Eng, Fra, Ger, Ita, Spa, Pol, Jap	
Jog Shuttle	Yes	
Power off through	Yes	
High Speed Rewind	65 Sec	
RS-232C PC Control	Option (D-SUB 9 pin)	
Monitor Out	Option (BNC Jack Type)	
Horizontal Resolution	More than 300 TV Lines (B/W)	More than 320 TV Lines (B/W)
	More than 280 TV Lines (Color)	More than 300 TV Lines (Color)
Operation Temperature	5ºC~35ºC	
Operation Humidity	35%RH~80%RH	
Supplied Voltage	AC 100V~240V, 50Hz/60Hz	
Power Consumption	15W	
Dimension (W x Hx D)	360.4 x 92.5 x 266.5mm	
Weight	3.8kg	

Series Model

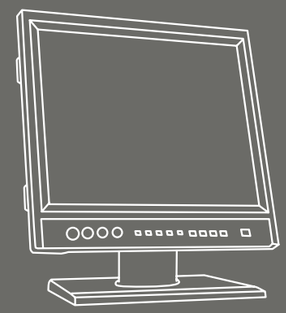
Time Lapse	24 hours	LV-TL124M (NTSC) LV-TL124P (PAL)
Time Lapse	480 hours	LV-TL1480M (NTSC) LV-TL1480P (PAL)

Rear View

Dimension (unit : mm)



MONITOR



monitor

LCD Monitor LSM-L117
LSM-L115 **60**
CRT Monitor LSM-F217M (NTSC) / LSM-F217P (PAL)
LSM-C114M (NTSC) / LSM-C114P (PAL) **61**

LCD Monitor

LSM-L117
LSM-L115

17” LCD MONITOR : Feature

- Panel : 17” TFT LCD 0.264mm pixel pitch
- Resolution : SXGA
- Horizontal Frequency Stability : 31.5~79KHz
- Vertical Frequency Stability : 56~75Hz
- Audio Output : 0.5W
- S-VHS Input
- Voltage : AC100~240V 50/60Hz
- Power Consumption : 33W
- Weight : 6.0Kg
- Case : ABS
- Dimension (W x H x D mm) : 390 x 180 x 424

Specifications

Model	LSM-L117
Panel Diagonal Size	17 inch
Screen Aspect Ratio	5:4
Pixel Pitch (mm)	0.264 x 0.264
Brightness (Typical)	300cdm2
Contast Ratio (Typical)	500:1 (Typ.)
Output Color	16.2M Colors
Viewing Angle (H/V)	150(Typ.)/135(Typ.)
Active native resolution	1280 x 1024
Input / Output Terminal	Composite Video In/Output 2ch x BNC S-video Input 1ch x Super Jack VGA Input 1ch x mini D-Sub 15Pin, DVI input (Option)
Power Consumption	33 [W]
Power Supply	DC 12V, 4A
Weight	6.0Kg
Packing	8.0Kg

15” LCD MONITOR : Feature

- Panel : 15” TFT LCD 0.297mm pixel
- Resolution : XGA
- Horizontal Frequency Stability : 31.5~60KHz
- Vertical Frequency Stability : 56~75Hz
- Audio Output : 0.5W
- S-VHS Input
- Voltage : AC100~240V 50/60Hz
- Power Consumption : 28W
- Weight : 5.6Kg
- Case : ABS
- Dimension (W x H x D mm) : 365 x 180 x 389

Specifications

Model	LSM-L115
Panel Diagonal Size	15 inch
Screen Aspect Ratio	4:3
Pixel Pitch (mm)	0.297 x 0.297
Brightness (Typical)	450cd/m2
Contast Ratio (Typical)	400:1 (Typ.)
Output Color	16M Colors (6-bit with FRC)
Viewing Angle (H/V)	130(Typ.)/100(Typ.)
Active native resolution	1024 x 768
Input / Output Terminal	Composite Video In/Output 2ch x BNC S-video Input 1ch x Super Jack VGA Input 1ch x mini D-Sub 15Pin, DVI input (Option)
Power Consumption	28 [W]
Power Supply	DC 12V, 4A
Weight	5.6Kg
Packing	7.6Kg

CRT Monitor

LSM-F217M (NTSC) / LSM-F217P (PAL)
LSM-C114M (NTSC) / LSM-C114P (PAL)

17” Flat : Feature

- Picture Tube : 17"Flat CRT 0.65mm Stripe Pitch
- Resolution : 500lines
- Horizontal Frequenscy Stability : 15.734KHz
- Vertical Frequency Stability : 60Hz
- Audio Output : 0.5W
- S-VHS Input
- Voltage : AC100~240V 50/60Hz
- Power Consumption : 56W
- Weight : 18.5kg
- Case : Metal
- Dimension (W x H x D mm) : 404 x 380 x 410

Specifications

Model		LSM-F217M (NTSC) / LSM-F217P (PAL)
Picture Tube		17" Flat,0.65mm, Semi tint Glass, 90 Deflection
Video	Input	2 BNC, 1 DIN 1 Vp-p 75Ω
	Output	2 BNC, 75 ohm
Audio	Input	2 RCA, Line Level 500mv, 47Kohm(Hi-Impeadance)
	Output	3 RCA
Control front		Power, Tint, Color, Bright Contrast, Volume, V1, V2, S-Video
Connection rear		Video 1,2(Composite), S-Video(Y/C)
Stablization	Horizontal	Pull in Range +- 500Hz Holding range +-601Hz
	Vertical	Pull in Range +- 4Hz Holding range +-5Hz
	Sub carrier	Pull in Range +- 400Hz Holding range +-501Hz
Convergence		0.4m Max(Center)
Operation Temperature		0 ~ + 40 C
Operating Humidity		35%~80%
Power Source		100VAC, 60Hz, 240VAC, 50Hz(Rating Voltage)90 TO 264VAC(Voltage Range)
Power Consumption		56W
Dimension (W x H x D mm)		404 x 380 x 410(mm)
Weight		Approx. 18.5Kg
Packing		Approx.22.0Kg

14” CRT : Feature

- Picture Tube : 14"CRT 0.60mm Stripe Pitch
- Resolution : 420lines
- Horizontal Frequenscy Stability : 15.734KHz
- Vertical Frequency Stability : 60HZ
- Audio Output : 1W
- S-VHS Input
- Voltage : AC100~240V 50/60Hz
- Power Consumption : 55W
- Weight : 12.1Kg
- Case : Metal
- Dimension (W x H x D mm) : 350 x 328 x 371

Specifications

Model		LSM-C114M (NTSC) / LSM-C114P (PAL)
Picture Tube		14" Line gun, Semi tinted CPT 90 Deflection
Video	Input	2 BNC, 1 DIN 1 Vp-p 75Ω
	Output	2 BNC, 75 ohm
Audio	Input	2 RCA, Line Level 500mv, 47Kohm(Hi-Impeadance)
	Output	2 RCA
Control front		Power, Menu, Under-Scan Volume, V1, V2, S-Video
Connection rear		Video 1,2(Composite), S-Video(Y/C)
Stablization	Horizontal	Pull in Range +- 500Hz Holding range +-600Hz
	Vertical	Pull in Range +- 4Hz Holding range +-4Hz
	Sub carrier	Pull in Range +- 400Hz Holding range +-500Hz
Convergence		0.4m Max(Center)
Operation Temperature		0 ~ + 40 C
Operating Humidity		35%~80% RH
Power Source		100VAC, 60Hz, 240VAC,50Hz(Rating Voltage)90 TO 264VAC(Voltage Range)
Power Consumption		55W
Dimension (W x H x D mm)		350 x 328 x 371(mm)
Weight		Approx. 12.1Kg
Packing		Approx. 14.3Kg

MEMO